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CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 199-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-07-27
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 17516
LENGTH: 612
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; TYPE: PRT; ORGANISM: Pseudomonas aeruginosa US-09-252-991A-17516
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/16435
FILING DATE: 15-DEC-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Halle, Lisa A.
REGISTRATION NUMBER: 38,347
REGISTRATION NUMBER: 38,347
                                                                                                                                                                                                                                                                                                                        Sequence 17516, Application US/09252991A Patent No. 6551795
GENERAL INFORMATION:
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                        APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: AUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 619/678-5099
INFORMATION FOR SEQ ID NO: 9:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
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Pred. No. 1.5e+02;
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US-08-671-978A-7
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                                                                                                   ; Sequence 2, Application US/08194560; Patent No. 6255062
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Best Local (
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TELEFAX: (216) 241-0816
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL
                                                                                         GENERAL INFORMATION:
APPLICANT: Campbell, Judi:
APPLICANT: Budd, Martin E
TITLE OF INVENTION: B-Typ:
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hohba
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
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MEDIUM TYPE: Floppy disk
COMPUTER: LEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION: NAME: GOLRICK, MARY E
                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Kim, Wonyong
APPLICANT: Chang, Keong-OK
TITLE OF INVENTION: ROTAVII
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                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS: SIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 800 SUPI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
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                                                                                                                                                                                           155 LANLILNEWLCN 166
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                                                                                                                                                                                                                                              39.4%;
Similarity 50.0%;
6; Conservation
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800 SUPERIOR AVENUE, SUITE 1400
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                                             B-Type DNA Polymerases
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    Hohbach,
                                                                        Judith L
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    Mismatches

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Pred. No. 1.9e+02;
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Pred. No. 1.4e+02
   Test, Albritton & Herbert
                                                                                                                                                                                                                                                    Mismatches
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US-08-265-967C-3
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REFERENCE/DOCKET NUMBER: A-59
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEEX: 910 277299
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 3, Application US/08265967C Patent No. 6476200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: SABATIN
APPLICANT: ERDJUME:
APPLICANT: LUI, MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: BANNER & ALLEGRETTI. LTD
STREET: 1001 G STREET, N.W., 11TH FLOOR
                ATTORNEY/AGENT INFORMATION:
NAME: KAGAN, SARAH 8.
REGISTRATION UNMBER: 32,141
REFERENCE/DOCKET NUMBER: 01107.46363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: SNYDER, SOLOMON H.
TITLE OF INVENTION: MAMMALIAN PROTEINS THAT BIND TO FKBP12
TITLE OF INVENTION: IN A RAPAMYCIN-DEPENDENT FASHION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Trecartin, Richard F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 14-FEB-19
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MEDIUM TYPE: Floppy disk
ELECOMMUNICATION INFORMATION:
                                                                              FILING DATE: 27-JUN-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                          STREET: 1001 G ST
CITY: WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity hes 5; Conserv
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: United States
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                                                                                                                                                                                                                                                                                         COUNTRY:
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20001-4597
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SABATINI, DAVID M.
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33.3%; Pred. No. 3.4e+02;
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                                                                                                                                                                           Version #1.25
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US-08-305-790B-4
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US-08-305-790B-4
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GENERAL INFORMATION:
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   Query Match
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                                                                                                                                                                           TELEFAX: 202-508-9299
TELEX: 197430 BBMB UT
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 202-508-9299
TELEX: 197430 BBMB UT
INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                        REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 01:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
                                                       MOLECULE TYPE:
ORIGINAL SOURCE:
ORGANISM: Sac
                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/305,790B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCE ADDRESS:
CORRESPONDENCE ADDRESS:
BANNER & ALLEGRETTI. LTD
ADDRESSEE: BANNER & ALLEGRETTI. LTD
ADDRESSEE: ON G STREET, N.W., 11TH FLOOR
                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08
FILING DATE: 27-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: KAGAN, SARAH A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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                                                                                                                                                           SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 536 PRIOR APPLICATION DATA:
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Local Similarity 50.0%;
hes 5; Conservative
                                                                                                           TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
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20001-4597
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ERDJUMENT-BROMAGE, HEDIYE
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                                                                                                           linear
                                                     Saccharomyces cerevisiae
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   38.5%;
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Pred. No. 1.5e+03;
   Score 42;
   DB 4;
Length 2474;
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Best Local

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; OTHER INFORMATION: ; Patent No. 6420518 US-09-337-227C-27
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   Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 27, Application US/09337227C Patent No. 6420518
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APPLICANT: Skelton, Nicholas J.
TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR AGONIST MOLECULES
FILE REFERENCE: P1071P2.rev
CURRENT APPLICATION NUMBER: US/09/337,227C
CURRENT FILING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: US 09/052,888
PRIOR FILING DATE: 1998-03-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: PCT/FR98/02341
PRIOR FILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: FR 97 13 977
PRIOR FILING DATE: 1997-11-06
NUMBER OF SEQ ID NOS: 4
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CURRENT APPLICATION NUMBER: US/09/530,903C
CURRENT FILING DATE: 2002-07-02
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APPLICANT: FREMAUX, Christophe
TITLE OF INVENTION: NON RCR LEUCONOSTOC PLASMID CAPABLE OF BEING TRANSFERRED
TITLE OF INVENTION: INTO LACTIC ACID BACTERIA; USE AS CLONING AND EXPRESSING TOOL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: BIET, Franck
APPLICANT: CENATIEMPO,
APPLICANT: FREMAUX, Chi
                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 08/825,852
PRIOR FILING DATE: 1997-04-04
NUMBER OF SEQ ID NOS: 51
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TYPE: PRT
ORGANISM: Leuconostoc mesenteroides
                                                                                                               ORGANISM: Artificial sequence
                                                                                                                                               2Q ID NO 27
LENGTH: 21
                                                                                                 FEATURE:
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Lowman, Henry B.
Thinson, Iain C.A.F.
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8; Conserv
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                                                                                  Sequence is synthesized
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50.0%;
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Pred. No. 75
   Score
Pred.
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41;
No.
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LENGTH: 21
TYPE: PRT
ORGANISM: Artificial sequence
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Best Local
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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CURRENT FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: US 09/337,227
PRIOR FILING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: US 08/825,852
PRIOR APPLICATION NUMBER: US 08/825,852
PRIOR FILING DATE: 1997-04-04
NUMBER OF SEQ ID NOS: 51
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APPLICANT: Clar
APPLICANT: Coch
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APPLICANT: Skelton, Nicholas J.
TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR AGONIST MOLECULES
FILE REFERENCE: P1071P2C1.2Rev
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Rothwell, Figg, Ernst & Kurz
STREET: Suite 701-E, 555 Thirteenth St., N.W
                                                                                                                                                                                                                        APPLICANT: OLIVER, JOANNA JANE
APPLICANT: NEWTON, SUSAN ELIZABETH
APPLICANT: NEWTON, SUSAN ELIZABETH
TITLE OF INVENTION: RECOMBINANT DNA MOLECULES ENCODING
TITLE OF INVENTION: VACCINES AGAINST HELMINTH INFECTIONS
TITLE OF INVENTION: VACCINES AGAINST HELMINTH INFECTIONS
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                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                               STATE:
                                                                                                                                             CITY: Washington
                                                                                                              COUNTRY:
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NO. 6608028
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Lowman, Iain C.A.F.
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                                                                                                                                                                                                                                                                                                      SMITH, TREVUL -
MUNN, EDWARD ALBERT
NAVID PATRICK
                                                                                                              U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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                  Version #1.30
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APPLICATION NUMBER: US/08/335,844A
FILING DATE: 09-JAN-1995
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: GB PCT/GB93/00943
FILING DATE: 06-MAY-1993
FILING DATE: 08-MAY-1993
FILING DATE: 08-MAY-1993
FILING DATE: 08-MAY-1992
FILING DATE: 08-MAY-1992
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 35,400
REFERENCE/DOCKET NUMBER: 1181-223A
TELEPHONE: (202)783-6040
TELEPHONE: 1202)783-6040
TELEPHONE: 1202)783-6040
TELEPHONE: 1302-6031
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 977 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: protein
US-08-335-044A-22

Query Match
Best Local Similarity 40.0%; Fred. No. 7.8e+02;
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
O;
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
O;
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
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Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
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Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
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Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
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Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
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Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
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Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
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Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
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Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
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Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
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Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps
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Minimum
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Searched:
                                                                                                                                                                                                                                                                                              No.
                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB
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seq length: 2000000000
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79
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   Published Applications AA:*

1: /cgn2 6/ptodata/1/pubpaa/US07 PUBCOMB.pep:*

2: /cgn2 6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

3: /cgn2 6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

4: /cgn2 6/ptodata/1/pubpaa/US06 PUBCOMB.pep:*

6: /cgn2 6/ptodata/1/pubpaa/US08 PUBCOMB.pep:*

6: /cgn2 6/ptodata/1/pubpaa/US08 NEW PUB.pep:*

6: /cgn2 6/ptodata/1/pubpaa/US08 PUBCOMB.pep:*

7: /cgn2 6/ptodata/1/pubpaa/US08 PUBCOMB.pep:*

9: /cgn2 6/ptodata/1/pubpaa/US09B PUBCOMB.pep:*

10: /cgn2 6/ptodata/1/pubpaa/US09B PUBCOMB.pep:*

11: /cgn2 6/ptodata/1/pubpaa/US09C PUBCOMB.pep:*

12: /cgn2 6/ptodata/1/pubpaa/US09C PUBCOMB.pep:*

13: /cgn2 6/ptodata/1/pubpaa/US09C PUBCOMB.pep:*

14: /cgn2 6/ptodata/1/pubpaa/US09C PUBCOMB.pep:*

15: /cgn2 6/ptodata/1/pubpaa/US10B PUBCOMB.pep:*

16: /cgn2 6/ptodata/1/pubpaa/US10C PUBCOMB.pep:*

17: /cgn2 6/ptodata/1/pubpaa/US10C PUBCOMB.pep:*

16: /cgn2 6/ptodata/1/pubpaa/US10C PUBCOMB.pep:*

17: /cgn2 6/ptodata/1/pubpaa/US10C PUBCOMB.pep:*

18: /cgn2 6/ptodata/1/pubpaa/US10C PUBCOMB.pep:*

18: /cgn2 6/ptodata/1/pubpaa/US10C PUBCOMB.pep:*

18: /cgn2 6/ptodata/1/pubpaa/US10C PUBCOMB.pep:*
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     100.0
91.1
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                                                                                                                                                                                                                                                                                                               Query
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       8, 2004, 12:53:30 ; Search time 44.3 Seconds (without alignments)
113.793 Million cell updates/sec
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                                                                                                                                                                                                                                                                                              DB
 US-09-825-517A-118
US-09-825-517A-83
US-09-825-517A-80
US-09-825-517A-80
US-09-825-517A-76
US-09-825-517A-76
US-09-825-517A-76
US-09-825-517A-76
US-09-825-517A-147
US-09-825-517A-147
US-09-825-517A-157
US-09-825-517A-157
US-09-825-517A-157
US-09-825-517A-157
US-09-825-517A-157
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US-09-825-517A-157
US-09-825-517A-75
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                                                                                                                                                                                                                                                                                          Description
                                                                                                                                                                                                                                       Sequence
Sequence
118, App
88, App1
80, App1
82, App1
82, App1
135, App
67, App1
76, App1
147, App
147, App
157, App1
75, App1
75, App1
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| <b>4</b><br>U     | 44                 |               | 42            | 41       | 40                 | 39                 | 38     | 37                | 36                 | <u>3</u> 5    | 34     | ω      | 32                 | 31     | 30                | 29                 | 28                 | 27                 |                    | 25                |                   | 23                 | 22      | 21     | 20                 | 19                | 18            | 17     | 16                 |
|-------------------|--------------------|---------------|---------------|----------|--------------------|--------------------|--------|-------------------|--------------------|---------------|--------|--------|--------------------|--------|-------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|---------|--------|--------------------|-------------------|---------------|--------|--------------------|
| 71                | 72                 | 72            | 72            | 73       | 73                 | 73                 | 73     | 73                | 74                 | 74            | 74     | 74     | 74                 | 74     | 74                | 75                 | 75                 | 75                 | 75                 | 75                | 75                | 76                 | 76      | 77     | 77                 | 77                | 78            | 78     | 78                 |
| 70.3              | 71.3               | 71.3          | 71.3          | 72.3     | 72.3               | 72.3               | 72.3   | 72.3              | 73.3               | 73.3          | 73.3   | 73.3   |                    |        |                   | 74.3               |                    |                    |                    | 74.3              |                   |                    |         | 76.2   |                    | 76.2              |               |        | 77.2               |
| 16                | 16                 | 16            | 16            | 16       | 16                 | 16                 | 16     | 16                | 16                 | 16            | 16     | 16     | 16                 | 16     | 9.T               | 9.t                | 16                 | 16                 | 16                 | 16                | 16                | 16                 | 16      | 16     | 16                 | 16                | 27            | 16     | 16                 |
| 11                | 11                 | 11            | 11            | 11       | 11                 | 11                 | 11     | 11                | 11                 | 11            | 11     | 11     | 11                 | 11     | 11                | 11                 | 11                 | 11                 | 11                 | 11                | 11                | 11                 | 11      | 11     | H                  | 11                | 11            | 11     | 11                 |
| US-09-825-517A-18 | US-09-825-517A-130 | -09-825-517A- | -09-825-517A- | 25-517A- | US-09-825-517A-122 | US-09-825-517A-112 | -517A- | US-09-825-517A-55 | US-09-825-517A-142 | -09-825-517A- | 25-51  | 17A-   | US-09-825-517A-106 | -517A- | US-09-825-517A-65 | US-09-825-517A-126 | US-09-825-517A-116 | US-09-825-517A-113 | US-09-825-517A-105 | US-09-825-517A-95 | US-09-825-517A-86 | US-09-825-517A-107 | 25-517A |        | US-09-825-517A-117 | US-09-825-517A-59 | -09-825-517A- | 9-82   | US-09-825-517A-104 |
| Sequence 18, Appl | e 130,             | e 90,         | e 72,         | e<br>1   | e 122,             | e 112,             | e 78,  | e 55,             | e 142,             | e 127,        | e 125, | e 114, | e 106,             | e 101, | e 65,             | e 126,             | e 116,             | e 113,             | 105,               | Sequence 95, Appl | e 86,             | e 107              | e 70,   | e 139, | e<br>1             | e 59,             | e 25,         | e 150, | Sequence 104, App  |

## ALIGNMENTS

US-09-825-517A-133
; Sequence 133, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION: 밁 Ś US-09-825-517A-118 US-09-825-517A-118 APPLICANT: Ladiner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 118 GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert Sequence 118, Application US/09825517A Publication No. US20030203415A1 Query Match Best Local S Matches TYPE: 16
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: Synthetic 16-mer microprotein analogue 100.0%; 1 Similarity 100.0%; 16; Conservative 1 DWVCEFEKGQWTCNVL 16 DWVCEFEKGQWTCNVL 16 0, Score 101; DB LL; Pred. No. 6.3e-08; Pred. No. 6.3e-08; Indels Length 16; 0,; Gaps

0

55 66 77 110 111 113 114

Sequence Sequence Sequence Sequence Sequence

Sequence

Sequence Sequence Sequence Sequence

Sequence

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APPLICANT: Rondon, Issac J
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
ITILE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
ITILE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION UNMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR TILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
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Matches
                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                     Sequence 60, Application US/09825517A Publication No. US20030203415A1
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: RONDON, ISSAC J
APPLICANT: RONDON, ISSAC J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Synthetic 16-mer microprotein analogue 09-825-517A-133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: APPLICACION (CEA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: CEA binding polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
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mes 13; Conserv
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12; Conserv
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                                                                                                                                                                                                                                                                                                                                  DWVCEFEKGOWTCNVL 16
                                                                                                                                                                                                                                                                                            DWVCEYDKGQWHCNIL 16
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81.2%;
                                                                                                                                                                                                                                                                                                                                                                                          86.1%;
75.0%;
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Pred. No. 6.
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                           Mismatches
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6.9e-06;
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US-09-825-517A-135
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; OTHER INFORMATION: CEA binding polypeptide U$-09-825-517A-60
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SEQ ID NO 135
LENGTH: 16
TYPE: PRT
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                                                                                                                                                                                                                                                                                          Publication No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
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PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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                                                  APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DVX-016-1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR PILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
                                                                                                                                                                                                                                      APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
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APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: CEA binding polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
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TYPE: PRT
ORGANISM: Artificial Sequence
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13; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Application US/09825517A
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o. US20030203415A1
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81.2%;
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75.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 86; DB 11;
Pred. No. 9.6e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 86; DB 11;
Pred. No. 9.6e-06;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
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; OTHER INFORMATION: US-09-825-517A-76
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PRIOR PILLAGE DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 67
                                                                                                                                    NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 76
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 76, Appropriation No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 67, Application US/09825517A
Publication No. US20030203415A1
GENERAL INFORMATION:
Query Match
Best Local Similarity
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Best Local Similarity
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                                                                                                                                                                                                                                        APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
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                                                                                                                                                                                                                                                                                                                            APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 09/541,345 PRIOR FILING DATE: 2000-04-03
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CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
                                                                                                    ORGANISM: Artificial Sequence
                                                                                                                        TYPE: PRT
                                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
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13; Conserv
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No. US20030203415A1
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                                                                 CEA binding
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81.2%;
81.2%;
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75.0%;
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1; Mismatches
Score 82;
Pred. No.
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                                                                 polypeptide
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DB 11;
3.7e-05;
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3.7e-05;
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              Length 16;
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                                                                                                                                 ; OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-147
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US-09-825-517A-147
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                                                                                                                                                                                                                                 TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOPTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 80 LENGTH: 16
                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 80, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
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APPLICANT: Ladner, Robert
                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
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                                                                                                                                                                   FEATURE:
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                                                                                                                                                                                                                    LENGIH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                               13;
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                        DWVCEFEKGQWTCNVL 16
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DWVCEFIKSQWFCNVL 16
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                                                                                                                                                                                                                                                                                                                                                                                                           Ladner, Robert C
                                                               Conservative
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81.2%;
                                                                            79.2%;
81.2%;
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                                                            Score 80; DB 11, -
Pred. No. 7.1e-05;
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Pred. No.
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                                                               Indels
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RESULT 11
US-09-825-517A-49
            ; Sequence 151, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
; APPLICANT: Rondon, Issac J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 13; Conserv:
                                                                                       RESULT 13
US-09-825-517A-151
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                                                                                                                                                                                                                                                Best Loc
Matches
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PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: Fast SEQ for Windows Version 4.0
SEQ ID NO 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)

FILE REFERENCE: DYX-016.1 (3421.1005-001)

CURRENT APPLICATION NUMBER: US/09/825,517A

CURRENT FILING DATE: 2003-03-24

PRIOR APPLICATION NUMBER: US 09/541,345

PRIOR FILING DATE: 2000-04-03

NUMBER OF SEQ ID NOS: 151

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 49
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APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
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Publication No. US20030203415A1
                                                                                                                                                                                                                                                                                     Query Match
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APPLICANT:
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CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Synthetic 16-mer microprotein analogue
                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                          DWVCEFEKGOWTCNVL 16
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81.2%;
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75.0%;
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Pred. No.
                                                                                                                                                                                                                                                                     Score 79; DB 11;
Pred. No. 0.0001;
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0.0001;
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Best Local Similarity
Watches 13; Conserva
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US-09-825-517A-75
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                                                                                                                                             Sequence 75, Application US/09825517A
Publication No. US20030203415A1
GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
APPLICANT: Ladner, Robert C
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Publication No. US20030203415A1
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 151
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LENGTH: 16
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FILE REFERENCE DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR PILING DATE: 2000-04-03
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APPLICANT: Ladner, Robert
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: FastSEQ for Windows Version 4.0
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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81.2%;
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Pred. No. 0.
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0.0001;
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; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 75
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CEA binding polypeptide
US-09-825-517A-75

Query Match
Hest Local Similarity 81.2%; Score 78; DB 11; Length 16;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY
1 DWVCEFEKGQWTCNVL 16
Db 1 DWVCEFEKGQWFCNVL 16
Search completed: September 8, 2004, 14:25:06
Job time: 44.3 secs
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Result
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Perfect score:
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     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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DB seq length: 2000000000
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    of hits satisfying chosen parameters:
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Match
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101
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/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
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   GenCore version 5.1.6 (c) 1993 - 2004 Compugen
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         US-09-134-000C-6119
US-09-328-352-6740
US-09-328-352-4665
US-09-328-352-4665
US-08-185-949B-58
US-08-185-949B-58
US-09-621-76-566
US-09-390-234-16
US-09-387-922-3
US-09-414-926A-5
US-08-988-111-3
US-09-414-926A-5
US-09-481-926-5
US-09-218-950-31
US-08-885-418-10
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Sequence 6119, Ap
Sequence 6740, Ap
Sequence 4605, Appl
Sequence 58, Appl
Sequence 168, Appl
Sequence 168, Appl
Sequence 16, Appl
Sequence 3, Appli
Sequence 3, Appli
Sequence 4, Appli
Sequence 5, Appli
Sequence 10, Appl
Sequence 10, Appl
Sequence 208, Appl
Sequence 31, Appl
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| Query Match<br>Best Local | RESULT 2 US-09-328-352-6740 ; Sequence 6740, Applic. Sequence 6740, Applic. Patent No. 6562958 ; GENERAL INFORMATION: APPLICANT: Gary L. B. TITLE OF INVENTION: ; TURRENT APPLICATION 1 CURRENT FILING DATE: ; NUMBER OF SEQ ID NOS ; SEQ ID NO 6740 ; LENGTH: 222 ; TYPE: PRT ORGANISM: Acinetoba: US-09-328-352-6740   | Query Matc<br>Best Local<br>Matches<br>Qy       | RESULT 1 US-09-134-000C-6 ; Sequence 6119; Patent No. 661 ; GENERAL INFORM APPLICANT: Ly TITLE OF INVE FILE REFERENC CURRENT APPLICA CURRENT FILING PRIOR APPLICA PRIOR FILING NUMBER OF SEQ NUMBER OF SEQ NUMBER OF SEG SOFTMARE: Pat LENGTH: 176 TYPE: PRT ORGANISM: EN TYPE: PRT ORGANISM: EN |            | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2   |
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| ch<br>1 Sim               | 152-6740, 6566, 65 | si<br>7;  | 1-000C-61<br>2e 6119,<br>NO. 6617,<br>NO. 6617<br>NO. 1NFORMA<br>JANT: Lyn<br>OF INVEN<br>OF INVEN<br>OF INVEN<br>OF INVEN<br>OF INVEN<br>OF SEQ<br>APPLICAT<br>FILING D<br>FOI SEQ<br>NO. 6119<br>H: 176<br>PRT<br>ISM: Ent   |            | 444444444444<br>0000000000000000000   |
| Match<br>Local Similarity | ULT 2  09-328-352-6740  equence 6740, Application US/09  atent No. 6562958  ENERAL INFORMATION:  APPLICANT: GARY L. Breton et al  TITLE OF INVENTION: NUCLEIC ACI  TITLE OF INVENTION: BAUMANNII F  FILE REFERENCE: GTC99-03PA  CURRENT APPLICATION NUMBER: US/  CURRENT FILING DATE: 1999-06-04  NUMBER OF SEQ ID NOS: 8252  LENGTH: 222  TYPE: PRT  ORGANISM: Acinetobacter bauman  09-328-352-6740  | milarity Conservat EFEKGQWTCN   ::    :         | Appli Appli 7156 ATION: ATION: NTION: CONTION: E: 032 CATION G DATE TION N DATE: ID NC entin teroco  |            |   |
| 43.6%;<br>60.0%;          | ication US/09328 : : : : : : : : : : : : : : : : : : :   | 52.5<br>63.6<br>ative<br>N 14<br>N 14<br>H 176  | iccation US/09 icctte-Stamm NUCLBIC ACI ENTERCOCCC 7796-032 i 1998-08-1 it 1997-08-15 Si: 6812 version 3.1   |            | CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  |
| or or<br>∼. ∼.            | IS/0   | op op   | US/0 Stamm IC AC ROCOCO ROCOCOCO ROCOCO ROCOCOCO ROCOCOCO ROCOCOCO ROCOCOCO ROCOCOCOC  |            | υυυυαμα ο συμασα σο συ α σ  |
| Score 44;<br>Pred. No.    | et al. IC ACID AND AMINO ACIN FOR DIAGNOSTICS R: US/09/328,352 -06-04 2 baumannii  | Score 53; DB<br>Pred. No. 0.78<br>3; Mismatches | US/09134000C  tamm et al C ACID AND AMINO COCCCUS FAECALIS US/09/134,000C US 60/055,778 13.1   | ALIGNMENTS | US-08-477-460B-6 US-08-379-516-6 US-09-329-916-6 US-08-485-372A-6 US-08-485-372A-6 US-08-484-681-6 US-08-484-681-6 S-22334-11 US-08-455-9774-2 US-08-466-368-2 US-08-466-368-2 US-08-468-368-2 US-08-468-368-2 US-08-468-368-2 US-08-468-368-2 US-08-368-368-3 US-08-368-368-3 US-08-368-311-1 US-08-236-331-1  |
| DB 4;<br>24;              | TICS   | DB 4;<br>0.78;<br>hes                           | ACII   | STN        | -460B-6 -516-6 -916-6 -916-6 -006A-6 -681-6 07422-6 1 -774-2 -039-7 -039-7 -817-2 -500-2 -391B-29 -311-1  |
| ; Length 222;             | D SEQUENCES RELATING TO ACINETOBACTER AND THERAPEUTICS   |   | ID SEQUENCES RELATING TO DIAGNOSTICS AND THERAPEUTICS  |            | Sequence 6, Appli Sequence 7, Appli Sequence 7, Appli Sequence 2, Appli Sequence 3, Appli Sequence 1, Appli Sequence 1, Appli |

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RESULT 4
US-08-191-866D-58
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US-09-328-352-4605
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US-09-328-352-4605
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CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 4605
LENGTH: 342
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: GARY L. Breton et al.
APPLICANT: GARY L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC99-03PA
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                                                                                               TELEX: 422523
INFORMATION FOR SEQ ID NO:
                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEPAX: (212) 391-0525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                                                                                                                                                                          COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/191,866D
FILING DATE: 4 February 1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Recombinant Infectious Bovine
TITLE OF INVENTION: Rhinotracheitis Virus S-IBR-052 And Uses Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Cochran, Mark D
APPLICANT: Macdonald, Richard D.
                                                                               SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 1185 A
CITY: New York
STATE: New Yor
                                   TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
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                      TOPOLOGY:
                                                          ENGTH:
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Pred. No. 38;
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Query Match
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Thes 7; Conserve
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                                                                                                                              Sequence 168, Application US/09976594
Patent No. 6673549
GENERAL INFORMATION:
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                      Query Match
APPLICANT: Furness, Michael
APPLICANT: Buchbinder, Jenny
TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
FILE REFERENCE: PA-0041 US
CURRENT APPLICATION NUMBER: US/09/976,594
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: 60/240,409
PRIOR FILING DATE: 2000-10-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (212) 278-0525
INFORMATION FOR SEQ ID NO: 9
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SUFTIWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,949B
FILING DATE: 03-NOV-1994
CLASSIFICATION: 435
ATTORNEY/ACCOUNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: ,679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 278-0400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Mark D. Cochran
APPLICANT: Richard D. Macdonald
TITLE OF INVENTION: Recombinant Infectious Bovine
TITLE OF INVENTION: Rhinotracheitis Virus
                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                    Local Similarity res 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM 330
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: New York
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH:
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5874279
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                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
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Pred. No. 73;
0; Mismatches
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Pred. No. 73;
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US-09-390-234-16

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Query Match
Best Local Similarity
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; LOCATION: -24..-1
US-09-621-976-5666
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                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Blum, David L.
APPLICANT: Kataeva, Irina
APPLICANT: Li, Xin-Liang
APPLICANT: Li, Xin-Liang
APPLICANT: Li, Lingdahl, Lars G.
TITLE OF INVENTION: Phenolic Acid Esterases, Coding Sequences and Methods
             EARLIER APPLICATION NUMBER: US 60/099,136
EARLIER FILING DATE: 1998-09-04
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 16
LENGTH: 789
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: ESTs and Encoded Human Proteins.

FILE REFERENCE: GENSET: 054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 5666
LENGTH: 71
                                                                                                                                                                                                                                                                                   Patent No. 6365390
                                                                                                                                                                                                                                                                                                 Sequence 16, Application US/09390234
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SOFTWARE: PERL Program
SEQ ID NO 168
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Best Local Similarity
                                                                                                                              CURRENT APPLICATION NUMBER: US/09/390,234
CURRENT FILING DATE: 1999-09-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Dumas Milne Edwards, J.B
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
MAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6673549 1674368CD1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 1456
TYPE: PRT
ORGANISM: Homo sapiens
ORGANISM: Ruminococcus sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
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Pred. No. 1.8e+02;
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9.9;
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Sequence 3, App--
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SEQ ID NO 16
LENGTH: 789
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/603,311
CURRENT FILLING DATE: 2000-06-21
PRIOR APPLICATION NUMBER: US 60/099,136
PRIOR FILLING DATE: 1998-09-04
PRIOR FILLING DATE: 1998-09-04
PRIOR PPLICATION NUMBER: 09/390,324
PRIOR FILLING DATE: 1999-09-03
NUMBER OF SEQ ID NOS: 26
                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Kataeva, Irina
TITLE OF INVENTION: Phenolic Acid Esterases,
FILE REFERENCE: 67-98A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Li, Xin-Liang APPLICANT: Ljungdahl, L
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
COUNTRY: U.S.A.
ZIP: 10174
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                               APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                              APPLICANT:
                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                            APPLICANT: Halkier, Torben
TITLE OF INVENTION: Method For Reducing Phosphorus
TITLE OF INVENTION: Content of Edible Oils
                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                                                                                               APPLICANT:
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Local Similarity 53.8%;
tes 7; Conservation
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Local Similarity 53.8%;
                                                                 STATE:
                                                                                                STREET:
                                                                                 CITY: New York
                                                                                                                 ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                            570 CKFTGGQKSCNVI 582
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Davies, Edward T.
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Blum, David L.
                                                                                              E: No. 61035050 No. 6103505disk of No. 6103505th America, Inc
405 Lexington Avenue
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Patkar, buc
Patkar, buc
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Fuglsang, Claus C.
Dybdal, Lone
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   Diskette
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                                                                                                                                                                                                                                                              Martin
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Pred. No. 1.4e+02;
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OPERATING SYSTEM: DOS SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATA:

COMPUTER:

IBM Compatible

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Query Match
Best Local Similarity
Matches 6; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; MOLECULE TYPE: protein US-08-988-111-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-387-922-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 3, Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 333 amino acids
TYPE: amino acid
          PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/988,111
APPLICATION NUMBER: 09-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Green, Reza
REGISTRATION NUMBER: 38,475
REFERENCE/DOCKET NUMBER: 4798.200-US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Green, Reza
REGISTRATION NUMBER: 38,475
REFERENCE/DOCKET NUMBER: 479
                                                                                                                                                                           OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 61435450 No. 6143545disk of No. 6143545th America,
                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Method For Reducing Phosphorus TITLE OF INVENTION: Content of Edible Oils
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: 212-867-0123
                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
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RELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                           CITY: New York
STATE: NY
                                                                                                                              FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                           COUNTRY: U
ZIP: 10174
                                                                                                                                                                                                                                                                                                                                          STREET:
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TOPOLOGY: li
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                                                                                                                                                           APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 212-878-9655
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                                                                                                                                                                                                                                                                                                                                        405 Lexington Avenue
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linear
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Clausen, Kim
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Pred. No.
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US-08-414-926A-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5, Application US/08414926A
Patent No. 5721354
GENERAL INFORMATION:
APPLICANT: Spaete, Richard
APPLICANT: Spaete, Richard
APPLICANT: Cha. Tai-An
TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
NUMBER OF SEQUENCES: 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 35.0%; Pred. No. 82; Matches 7; Conservative 3. William 1. William
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APPLICANT: Parr, Brian A.
APPLICANT: Vaino, Seppo
TITLE OF INVENTION: WNT SIGNALLING IN REPRODUCTIVE ORGANS
FILE REFERENCE: 00246/232001
CURRENT APPLICATION NUMBER: US/09/417,039A
CURRENT APPLICATION NUMBER: US 60/109,355
EARLIER APPLICATION NUMBER: US 60/109,355
EARLIER FILING DATE: 1998-10-15
EARLIER FILING DATE: 1998-10-15
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SOFTWARE: FastSEQ for Windows Version 4.0
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ORGANISM: Homo sapiens
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                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Local Similarity 37.5%;
les 6; Conservative
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TELEFAX: 212-878-9655
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                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Cooley Godward Castro Huddleson & STREET: 5 Palo Alto Square
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PatentIn Release #1.0, Version #1.25
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Pred. No.
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Best Local Similarity
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US-08-926-922-5
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                                Matches
                                             Query Match
Best Local (
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GENERAL INFORMATION:
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                                                                                                                                                                                     TELEPHONE: 510-834-1448
TELEFAX: 510-839-7810
INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                      CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: CSeIT, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AVIR
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 5: SEQUENCE CHARACTERISTICS:
                                                                                                          LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acid
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
ODERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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ADDRESSEE: Luann Cserr Attorney at Law STREET: 750 Arimo Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 27
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CTTY: Oakland
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REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AV
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2 WVCEFEKGQW 11
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amino acid

OGY: linear
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415-857-0663
                            Conservative
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                         40.6%; Score 41; DB 2; Le 60.0%; Pred. No. 1.3e+02; tive 1; Mismatches 3;
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                                                         Length 399;
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Search completed: September Job time: 13.2 secs
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US-09-253-682-5
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Best Local Similarity
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                                                                                                                                                                                                                                                      TELEFAX: 510-839-7810
INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/09/253,682
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/926,922
FILING DATE: September 10, 1997
ATTORNEY/AGENT INFORMATION:
NAME: CBETT, LUANIT
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AVIR 11A
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                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                        TELEPHONE: 510-834-1448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Spacte, Richard
APPLICANT: Cha, Tai-An
TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
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CORRESPONDENCE ADDRESS:
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Oakland
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Pred. No. 1.3e+02;
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US-09-825-517A-133
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138, App 143, App 112, App 115, App 116, App 122, App 123, App 144, App 144, App 144, App 144, App 144, App 146, App 147, App 148, App 149, App 149, App 149, App 149, App 140, App 141, A

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1: /cgn2_6/ptodata/1/pubpaa/US07 PUBCOMB.pep:*

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15: /cgn2_6/ptodata/1/pubpaa/US09C PUBCOMB.pep:*

16: /cgn2_6/ptodata/1/pubpaa/US10E_PUBCOMB.pep:*

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Sequence 117, A
Sequence 58, Ap
Sequence 60, Ap
Sequence 101, A
Sequence 60, Ap
Sequence 113, A
Sequence 114, A
Sequence 148, A
Sequence 148, Ap
Sequence 54, Ap
Sequence 54, Ap
Sequence 114, Ap
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ALIGNMENTS

Sequence

| App<br>Appl<br>Appl<br>Appl<br>Appl<br>App   | Appl<br>Appl<br>App<br>App<br>App                 | Appl<br>Appl<br>App  | App  |   |   |
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| RESULT 2 US-09-825-517A-95 'Sequence 95, Application US/09825517A 'Publication No. US20030203415A1 'GENERAL INFORMATION: | QY 1 DWYCEWGKNQWTCNPL 16 Db 1 DWYCEWGKNQWTCNPL 16 | Query Match 100.0%; Score 110; DB 11; Length 16; Best Local Similarity 100.0%; Pred. No. 1.7e-08; Matches 16; Conservative 0; Mismatches 0; Indels | I LENGTH: 16  I LENGTH: 16  TYPE: PRT  RORANISM: Artificial Sequence  PEATURE:  OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-117 | FILE REFERENCE: DYX-016.1 (34.21.1005-001) CURRENT APPLICATION NUMBER: US/09/825,517A CURRENT FILING DATE: 2003-03-24 PRIOR APPLICATION NUMBER: US 09/541,345 PRIOR FILING DATE: 2000-04-03 NUMBER OF SEQ ID NOS: 151 SOFTWARE: FastSEQ for Windows Version 4.0 | RESULT 1  US-09-825-517A-117  ; Sequence 117, Application US/09825517A ; Publication No. US20030203415A1 ; GENERAL INFORMATION: GENERAL INFORMATION: Robert C ; APPLICANT: Ladner, Robert C ; TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC |

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; FEATURE:
; OTHER INFORMATION: CEA binding polypeptide
US-09-825-517A-95
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CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 95
                                                                                                                                             Sequence 101, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
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Publication No. US20030203415A1
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Best Local
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT PEPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
                                                             APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
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CURRENT FILING DATE: 2003-03-24
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
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APPLICANT: Ladner, Robert
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APPLICANT: Ladner, Robert
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                     Sequence 60, Application US/098 Publication No. US20030203415A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 126
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                 SEQ ID NO 60
LENGTH: 16
                                                                                                                           APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
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FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FASTSEQ for Windows Version 4.0
                                                                         PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
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APPLICANT: Ladner, Robert
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APPLICANT: Ladner, Robert
                                                       SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 1
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ORGANISM: Artificial Sequence
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12; Conserv
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Similarity 81.2%;
13; Conservative
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to. US20030203415A1
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75.0%;
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Pred. No. 6.5e-05;
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; OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-149
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                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 149
Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                           Sequence 149, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 113
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Best Local (
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
                                                                                                                                                                                                                                                                                                                                           APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
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FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILLING DATE: 2003-03-24
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                                                                                                       TYPE: PRT ORGANISM: Artificial Sequence
                                                                                              FEATURE:
                                                                                                                                                LENGTH: 16
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mes 13; Conserv
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o. US20030203415A1
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   73.6%;
81.2%;
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75.0%;
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Pred. No. 9e-05;
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No.
   0.00017;
                  DB 11;
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US-09-825-517A-148
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                                                                       Query Match
Best Local S
Matches 12
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APPLICANT: Rondon, Issac J

APPLICANT: Ladner, Robert C

TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC

TITLE OF INVENTION: ANTICEN (CEA)

FILE REFERENCE: DIX-016.1 (3421.1005-001)

CURRENT APPLICATION NUMBER: US/09/825,517A

CURRENT FILING DATE: 2003-03-24

PRIOR APPLICATION NUMBER: US 09/541,345

PRIOR PEPLICATION NUMBER: US 09/541,345

PRIOR PRICE DATE: 2000-04-03

NUMBER OF SEQ ID NOS: 151
                                                                                                                                                                                                                                                     SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 148, Application US/09825517A Publication No. US20030203415A1
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LENGTH: 16
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Publication No. US20030203415A1
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APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
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                                                                                                                                                       OTHER INFORMATION: Synthetic 16-mer microprotein analogue
                                                                                                                                                                                         TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                 FEATURE:
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                                                                                                                                                                                                                                    ENGTH: 16
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                                                                       Local Similarity
les 12; Conserv
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                                 DWVCEWGKNOWTCNPL 16
DWVCEWLKHQWFCNAL
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                                                                                      Score 80; DB 11;
Pred. No. 0.00023
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Pred. No.
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US-09-825-517A-78
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                                                                                                                             RESULT 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 54, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                      Sequence 91, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 54
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FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Rondon, Issac J APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: CEA binding polypeptide -09-825-517A-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
                     APPLICANT: Rondon,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: CEA binding polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
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No. US20030203415A1
Rondon, Issac J
Ladner, Robert C
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                                                                                                                                                                                                                                                                                      70.9%;
75.0%;
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                                                                                                                                                                                                                                                                     0;
                                                                                                                                                                                                                                                                                        Score 78; DB 11;
Pred. No. 0.00044;
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                                                                                                                                                                                                                                              RESULT 15
US-09-825-517A-125
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                                                                                                                                                                                   Sequence 125, Application No. US20 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR PILING DATE: 2000-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: ANTIGEN (CEA) FILE REFERENCE: DYX-016.1 (3421.1005-001)
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
RITLE OF INVENTION: BINDING BEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
FURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
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APPLICANT: Ladner, Robert C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Synthetic 16-mer microprotein analogue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ENGTH: 16
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o. US20030203415A1
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Pred. No. 0.00044;
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Pred. No. 0.00044
1; Mismatches
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; NUMBER OF SEQ ID NOS: 151
; SOSTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 125
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER IMFORMATION: Synthetic 16-mer microprotein analogue
US-09-825-517A-125

Query Match
Best Local Similarity 75.0%; Pred. No. 0.00044;
Matches 12; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 DWYCEWGKNOWTCNPL 16
Db 1 DWYCEWGKNOWTCNPL 16
Db 1 DWYCEWGKNOWACNVL 16

Search completed: September 8, 2004, 14:25:06
Job time: 44.3 secs
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Title:
Perfect score:
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Maximum Match 100%
Listing first 45 summaries
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Issued Patents AA:*

1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/2/iaa/backfilesl.pep:*
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Gapop 10.0 , Gapext 0.5
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110
1 DWVCEWGKNQWTCNPL 16
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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| 47           | 4.            | 4.7          | 47            | 4.7         | 4.7           | 4.7          | 47          | 47           | 47           | 47           | 47            | 48           | 48             | 4.8               | 48             | 49         | 51 | 51         | 5 L           | 51            | 1 54          | 54          | 54               | i 0         | י<br>ט<br>ט | 55             | Score            |
|              | 42.7          |              | N             |             |               | •            | 42.7        | ·            |              |              | ν.            | w            | w              | 43.6              | ú              | 4          | 5  |            | . 0           | ٠             | 9             | 9           | 49.1             | 0           | 50.0        | 50.0           | Query<br>Match L |
| 26           | 26            | 26           | 23            | 23          | 23            | 21           | 21          | 20           | 20           | 20           | 20            | 20           | 20             | 20                | 20             | 71         | 23 | 23         | 23            | 20            | 24            | 24          | 24               | 26          | 26          | 26             | Length 1         |
| N            | 2             | ר            | N             | 2           | <b>}4</b>     | 4            | 4.          | N            | N            | Н            | H             | N            | N              | 1                 | Н              | 4          | N  | N          | μ             | Н             | 2             | N           | 1                | N           | Ν           | ۲٦             | DB<br>           |
| -827-570-24  | -08-484-631-2 | -484-635-24  | -08-827-570-5 | 8-484-631-5 | -08-484-635-5 | -09-723-251A | 7-227C-     | -08-827-570- | -08-484-631- | -08-484-635- | -08-484-135-7 | -08-827-570- | -08-484-631-22 | -08-484-6         | -08-484-135-57 | -621-976-5 | 9  | 8-484-631- | -08-484-635-6 | -08-484-135-9 | -08-827-570-8 | 8-48        | US-08-484-635-86 | 8-827-570-8 | 8-484-631-8 | 8              | ID               |
| equence 242, | 242,          | equence 242, | equence 56,   | equence 56, | equence 56,   | nce 27,      | equence 27, | equence 40,  | equence 40,  | equenc       | equence 78    | equence 229  | quence 229     | Sequence 229, App | 57             | 5666       | 63 | o<br>o     | quence 63,    | e 91,         | equence 86,   | equence 86, | equence 86       | equence 8   | equence 89, | ٠ !            | Description      |

| 47 42.7 2324 1 US-08-US-15-199-16 47 42.7 2324 5 PCT-US95-09819-1 47 42.7 2324 5 PCT-US95-09819-1 47 42.7 2326 5 45518-1 47 42.7 2386 2 US-09-016-366A-12 48 42.7 2446 2 US-09-018-356-2 49 42.7 2446 2 US-08-484-635-101 46 41.8 21 1 US-08-484-635-101 46 41.8 21 2 US-08-484-635-101 46 41.8 22 1 US-08-484-635-101 46 41.8 22 1 US-08-484-635-98 46 41.8 22 1 US-08-484-631-98 46 41.8 22 1 US-08-484-631-98 46 41.8 22 0 US-08-484-631-99 46 41.8 26 1 US-08-484-631-90 46 41.8 26 1 US-08-484-635-90 46 41.8 26 2 US-08-484-631-90 46 41.8 26 2 US-08-484-631-90 46 41.8 26 2 US-08-484-631-90 46 41.8 26 2 US-08-484-635-90 46 41.8 26 2 US-08-483-3628-59 46 41.8 174 2 US-08-683-2628-59 | <b>,4</b> ,<br>И  | 44                | 4.5              | 4 1              | 4 4              | 40               | , (J.            | ω<br>(8)         | 37                | 3 6               | i G               | 14               | ) (a.           | 3 2               | ) (L      | 0.0              | 29              |                  |
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| 174 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2   | 46                | 46                | 4.6              | 4.5              | 46               | 46               | 46               | 46               | 46                | 46                | 46                | 47               | 47              | 47                | 47        | 47               | 47              | 1                |
| N N N N P N N P N N D N N N N F F   | 41.8              | 41.8              | 41.8             | 41.8             | 41.8             | 41.8             | 41.8             | 41.8             | 41.8              | 41.8              | 41.8              | 42.7             | 42.7            | 42.7              | 42.7      | 42.7             | 42.7            | 44.1             |
|   | 174               | 174               | 26               | 26               | 26               | 22               | 22               | 22               | 21                | 21                | 21                | 2446             | 2446            | 2386              | 2327      | 2324             | 2324            | TC22             |
| US-08-283-857-1 US-08-283-857-1 5451188-1 US-08-281-857-1 545138-1 US-09-16-366A-12 US-08-551-356-2 PCT-US93-12687-2 US-08-484-635-101 US-08-484-635-101 US-08-484-635-101 US-08-484-631-98 US-08-484-631-98 US-08-484-631-90 US-08-484-631-90 US-08-8827-570-98 US-08-8827-570-98 US-08-8827-570-98 US-08-8827-570-98 US-08-883-2628-59 US-08-883-2628-59  | 2                 | N                 | N                | N                | , р              | N                | 2                | ۲.,              | N                 | N                 | _                 | σı               | N               | N                 | σ         | ហ                | Н               | ۲                |
|   | US-08-683-262B-59 | US-08-683-262B-58 | US-08-827-570-90 | US-08-484-631-90 | US-08-484-635-90 | US-08-827-570-98 | US-08-484-631-98 | US-08-484-635-98 | US-08-827-570-101 | US-08-484-631-101 | US-08-484-635-101 | PCT-US93-12687-2 | US-08-551-356-2 | US-09-016-366A-12 | 5455158-1 | PCT-US95-09819-1 | US-08-283-857-1 | US-U8-153-799-16 |
|   | 59, App           | 58. App           | 0, App           |                  | 90, Appl         |                  |                  | 98, App          | 101, Ap           | 101, Ac           | 101, Ac           | 2, Appl          | 2, Appli        | 12, App.          | 5455158   | l, Appl          |                 | 16, App          |

## ALIGNMENTS

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RESULT 2
US-08-484-631-89
                                                                                                                                                           Query Match
Best Local Similarity
7; Conserve
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                                              US-08-827-570-89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 89,
Patent No. 5
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             Sequence 89, Application US/08827570 Patent No. 5986047
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                NAME: Garrett-Wackowski, Euge
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 1652
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
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APPLICANT:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 514
PRIOR APPLICATION UDATA:
APPLICATION UNMBER: US 08/155,940
FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Compounds and Peptides That Bind to the TITLE OF INVENTION: Erythropoietin Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 26 amino acids
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STATE: California
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                                                                                                                                                                                                                                                                                                      TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/484,631 FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 CEWGKNOWTCNP 15
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                                                                                                                                          CEWGKNQWTCNP 15
                                                                                                             CEWGPETWICRP 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Application US/08484631
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One Market Plaza, Steuart Street Tower
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Mulcahy, Linda
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ilarity 58.3%;
Conservative
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                                                                                                                                                                           Conservative
                                                                                                                                                                                          50.0%;
58.3%;
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Pred. No. 0.
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                                                                                                                                                                                          Score 55; DB 2;
Pred. No. 0.13;
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; MOLECULE TYPE: peptide US-08-827-570-89
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US-08-484-635-86
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                                                                                                                                                                                                                                                                                                                                                                         Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (415) 543-5043 INFORMATION FOR SEQ ID NO: 8 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                           GENERAL INFORMATION:
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APPLICANT:
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APPLICANT:
APPLICANT:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
                                                                                                           APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 01
FILING DATE: 07-UTW-1995
APPLICATION NUMBER: US 01
FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
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TELECOMMUNICATION INFORMATION:
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                                                                                                                                                           APPLICANT:
                           TITLE OF INVENTION: Compounds and Peptides That Bind to TITLE OF INVENTION: Erythropoietin Receptor NUMBER OF SEQUENCES: 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                     Local Similarity nes 7; Conserv
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REGISTRATION NUMBER: 37,330
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS
TOPOLOGY: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/827,570
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ADDRESSEE:
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Dower, William J.
Chang, Ray S.
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                                                                                                         Kashyap, Arun K.
Jolliffe, Linda K.
                                                                          Johnson, Dana
Mulcahy, Linda
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                                                                                                                                             Dower, William Chang, Ray S.
                                                                                                                                                                             Wrighton, Nicholas
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Townsend and Townsend and Crew
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Pred. No. 0.13;
0; Mismatches
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Patent NO. DOUBLE OF SEQUENCES: 259

Patent No. DOUBLE OF SEQUENCES: 259

Papelicant: Wrighton, Nicholas C.
APPLICANT: Dower, William J.
APPLICANT: Chang, Ray S.
APPLICANT: Kashyap, Arun K.
APPLICANT: Jolliffe, Linda K.
APPLICANT: Johnson, Dana
APPLICANT: Mulcahy, Linda
TITLE OF INVENTION: Compounds and Peptides That Bind to the
TITLE OF INVENTION: Erythropoietin Receptor
TITLE OF SEQUENCES: 259
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US-08-484-631-86
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Best Local :
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TELEPHONE: (415) 543-9600
TELEPAX: (415) 543-9600
TELEPAX: (415) 543-96043
INFORMATION FOR SEQ ID NO: 86:
                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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LENGTH: 24 amino acids
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APPLICATION NUMBER: US 08/155,940
FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Floppy disk
CLASSIFICATION:
             APPLICATION NUMBER: FILING DATE: 07-JU
                                                                                                                                                                                               CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                    STREET:
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                                                                                                                                                                               COUNTRY:
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OPERATING SYSTEM: PC-DOS/MS-DOS
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               07-JUN-1995
                         US/08/484,631
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Pred. No. 0.17;
4; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 24;
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RESULT 6
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Patent No. 5986047
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                                         APPLICATION NUMBER: US 08/484,635
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/155,940
FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Wackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 16528A-43-:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 19600
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Best Local Similarity
                TELEFAX: (415) 543-5043 INFORMATION FOR SEQ ID NO: (
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TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 0
                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/827,570
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APPLICANT:
APPLICANT:
APPLICANT:
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PRIOR APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
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FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                    FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Townsend and Townsend and Crew STREET: One Market Plaza, Steuart Street Tower
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Garrett-Wackowski, Eugenia REGISTRATION NUMBER: 37,330 REFERENCE/DOCKET NUMBER: 16528A-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10 EYVCQWGPDTWLC 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 DWVCEWGKNOWTC 13
CHARACTERISTICS:
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Jolliffe, Linda K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Johnson, Dana
Mulcahy, Linda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Wrighton, Nicholas C.
Dower, William J.
Chang, Ray S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Compounds and Peptides That Bind to the Erythropoietin Receptor 259
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                 86:
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                                                                                16528A-43-1-1
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Pred. No. 0.17;
4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3; Indels
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US-08-827-570-86
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US-08-484-135-91
                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide US-08-484-135-91
                                                                                US-08-484-635-63
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CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: DIGIGITO, Frank S
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 9594
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4366
INFORMATION FOR SEQ ID NO: 91:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
Sequence 63, Application US/08484635
Patent No. 5773569
GENERAL INFORMATION:
APPLICANT: Wrighton, Nicholas C.
APPLICANT: Dower, William J.
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APPLICANT: Johnson, Dana L
APPLICANT: Zivin, Robert A
TITLE OF INVENTION: AGONIST PEPTIDE DIMERS
NUMBER OF SEQUENCES: 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,135
ETITING PATENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE:
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                                                                                                                                                                                                      y Match 46.4%;
Local Similarity 37.5%;
nes 6; Conservative 4
                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                     TYPE: amino acids
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Similarity 46.2%;
6; Conservative
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                                                                                                                                              EYLCRMGPNTWVCTPV 18
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Pred. No. 0.17
4; Mismatches
                                                                                                                                                                                                             4.
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US-08-484-631-63
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,635
FILING DATE: 07-JUN-1995
CLASSIFICATION DATA:
APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,940
FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Wackowski, Eugenia
REGERENCE/DOCKET NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 16528A-43-1-1
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                        Patent No. 5830851
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                              Sequence 63,
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Matches 6; Conserv
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TELEPAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Johnson, Dana
APPLICANT: Mulcaby, Linda
IITLE OF INVENTION: Compounds and Peptides That Bind to the
IITLE OF INVENTION: Erythropoietin Receptor
NUMBER OF SEQUENCES: 259
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                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
                                                                                                                                                                                                                APPLICANT:
                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                        TITLE OF INVENTION:
                                                                                                                                                            APPLICANT: Johnson, Dana
APPLICANT: Mulcahy, Linda
                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: One Market i
CITY: San Francisco
STATE: California
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                 STREET: One Human.
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH:
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Jolliffe, Linda
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                                                                                                                                                                        Kashyap, Arun K.
Jolliffe, Linda K.
Johnson, Dana
Miloshi, finda
USA
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                                                                                                                                                                                                                                                                       Wrighton, Nicholas
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              46.4%; Score 51; DB 1
40.0%; Pred. No. 0.43;
                                                                                                     Compounds and Peptides That Bind to the Erythropoietin Receptor 259
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US-08-827-570-63
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APPLICATION
FILING DATE:
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/484,635
FILING DATE: 07-UN-1995
FILING DATE: US 08/155,940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 63,
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (415) 543-50
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
SIREET: One Market Plaza, Steuart Street Tower
                                                                                                                                                                                                                                                                                                                               APPLICANT: Mulcahy, Linda
TITLE OF INVENTION: Compounds and Peptides That Bind to the
TITLE OF INVENTION: Erythropoietin Receptor
NUMBER OF SEQUENCES: 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
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LENGTH: 23 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,940
FILLING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/484,631 FILING DATE: 07-JUN-1995
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MEDIUM TYPE: Floppy disk
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REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 16528A-43-1-2
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OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                      94105-1492
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Jolliffe, Linda K.
Johnson, Dana
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(415) 543-5043
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Pred. No. 0.43;
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US-08-484-135-57
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US-09-621-976-5666
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US-09-621-976-5666
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APPLICANT: Johnson, Dana L
APPLICANT: Zivin, Robert A
TITLE OF INVENTION: AGONIST PEPTIDE DIMERS
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: Frank S. DiGiglio
STREET: 400 Garden City Plaza
CITY: Garden City
                                                                                                                                                         Sequence 57, Application US/08484135 Patent No. 5767078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 5666
LENGTH: 71
                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Glordano, J.Y.
TITLE OF INVENTION: ESTS and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 40.0%;
Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patent.pm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TORNEY/AGENT TORNEY/AGENTAL THREE GATTECT Wackowski, Eugenia REGISTRATION NUMBER: 37,330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS:
TOPOLOGY: li
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                                                                                                                                                                                                                                                                                                            1; Mismatches
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Pred. No. 2.
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Pred. No. 0.43;
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STATE: N COUNTRY:

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; MOLECULE TYPE: peptide US-08-484-135-57
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Best Local :
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                                            COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,635
FILING DATE: 07-UN-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/155,940
PILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
NUMBER: Grittlewardensing
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APPLICANT: Wright
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STRANDEDNESS: sir-
TOPOLOGY.
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/08/484,135
FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Mulcahy, Linda
TITLE OF INVENTION: Compounds and Peptides That Bind to the
TITLE OF INVENTION: Erythropoietin Receptor
NUMBER OF SEQUENCES: 259
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REGISTRATION NUMBER: 31,346
                                                                                                                                                                                                                                                                                           COUNTRY: USA
ZIP: 94105-1492
                                                                                                                                                                                                                                                                                                                             STATE: California
                                                                                                                                                                                                                                                                                                                                                    CITY: San Francisco
               NAME: Garrett-Wackowski, Eugenia
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N: 514
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16528A-43-1-1
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                                           ; MOLECULE TYPE: US-08-484-631-229
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Query Match
Best Local Similarity
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                                                                                                                                                       TELEFAX: (415) 543-5043 INFORMATION FOR SEQ ID NO: :
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                             CLASSIFICATION: 514
PRIOR APPLICATION UNDER: US 08/155,940
PILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA: APPLICATION UNMBER: US/08/484,631 FILING DATE: 07-UN-1995
                                                                                                                                                                                      REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 16:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Compounds and Peptides That Bind to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
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Jolliffe, Linda K
Johnson, Dana
Mulcahy, Linda
Murphyrran
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One Market Plaza, Steuart Street Tower
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Dower, William J.
Chang, Ray S.
                                                                                                                          20 amino acids
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                                                                               linear
                                                              peptide
   43.6%;
37.5%;
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   Score 48;
Pred. No.
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1;
                    2;
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                      Length 20;
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Search completed: September 8, 2004, 12:58:32 Job time: 12.2 secs
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                                                                                                                                                    ; MOLECULE TYPE: US-08-827-570-229
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US-08-827-570-229
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Best Local (
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GENERAL INFORMATION
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APPLICANT: Kashyap, Arun K.
APPLICANT: Jolliffe, Linda K.
APPLICANT: Johnson, Dana
APPLICANT: Mulcahy, Linda
TITLE OF INVENTION: Compounds and Peptides That Bind to the
TITLE OF INVENTION: Erythropoietin Receptor
TITLE OF SEQUENCES: 259
                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 94105-1492
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 259

CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
                                                                                                                                                                          TYPE: amino a STRANDEDNESS: TOPOLOGY: lir
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                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
                                                                                                                                                                                                                ENGTH:
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                                                                      1 DWVCEWGKNOWTCNPL 16
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                                                                                                  Similarity 6; Conserv
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                                             EYSCRMGPNTWVCKPV 18
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                                                                                           43.6%; Score 48; DB 37.5%; Pred. No. 1; tive 3; Mismatches
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Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Run on:
              score greater than or equal to the score and is derived by analysis of the total
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB
DB
                                                                                                                                                                                                                                                      Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      seq length: 0
seq length: 2000000000
              101
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Published Applications AA:*

1: /cgn2 6/ptodata/1/pubpaa/US07 PUBCOMB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/PCT NEW PUB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/US06 PUBCOMB.pep:*

5: /cgn2_6/ptodata/1/pubpaa/US07 NEW PUB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US07 NEW PUB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US08 NEW PUB.pep:*

7: /cgn2_6/ptodata/1/pubpaa/US08 NEW PUB.pep:*

8: /cgn2_6/ptodata/1/pubpaa/US08 NEW PUB.pep:*
                                                                                                                                                                                                                                                   Query
Match
                                                                                                                                                                                                                                                                                                                                   is the number of results predicted by chance to have a ater than or equal to the score of the result being printed,
                                                                                                                                                                                                                                                                                                                                                                                         8:
9:
10:
112:
123:
134:
145:
156:
            100.0
86.1
85.1
83.2
83.2
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79.2
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78.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-825-517A-116
101
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1298764 segs, 315065143 residues
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DWVCEIVKNQWHCNVL 16
                                                                                                                                                                                                                                                                                                                                                                                /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10C_NEW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10C_NEW_PUB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Copyright
                                                                                                                                                                                                                                                   Length
            8, 2004, 12:53:30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GenCore version 5.1.6 (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                    DВ
      US-09-825-517A-116
US-09-825-517A-127
US-09-825-517A-65
US-09-825-517A-149
US-09-825-517A-149
US-09-825-517A-147
US-09-825-517A-147
US-09-825-517A-126
US-09-825-517A-137
US-09-825-517A-137
US-09-825-517A-137
US-09-825-517A-67
US-09-825-517A-67
US-09-825-517A-139
US-09-825-517A-139
US-09-825-517A-139
US-09-825-517A-139
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                                                                                                                                                                                                                                                                                              SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10 ; Search time 44.3 Seconds (without alignments)
113.793 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                            score
                                                                                                                                                                                                                                                                                                                           distribution
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Sequence 116, App
Sequence 127, App
Sequence 80, Appl
Sequence 65, Appl
Sequence 59, Appl
Sequence 59, Appl
Sequence 147, App
Sequence 128, App
Sequence 128, App
Sequence 128, App
Sequence 95, Appl
Sequence 95, Appl
Sequence 95, Appl
Sequence 95, Appl
Sequence 139, Appl
Sequence 139, Appl
Sequence 50, Appl
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| t       | 2 4             | A #            | 42                | 41            | 40             | υ<br>9          | 38             | 37              | 36            | 35              | 34            | ω<br>ω          | 32              | 31             | 30             | 29             | 28        | 27            | 26              | 25          | 24              | 23             | 22              | 21              | 20             | 19           | 18             | 17          | 16           |
|---------|-----------------|----------------|-------------------|---------------|----------------|-----------------|----------------|-----------------|---------------|-----------------|---------------|-----------------|-----------------|----------------|----------------|----------------|-----------|---------------|-----------------|-------------|-----------------|----------------|-----------------|-----------------|----------------|--------------|----------------|-------------|--------------|
| ñ       | 7,2             | 3 6            | 72                | 72            | 72             | 73              | 73             | 73              | 73            | 73              | 73            | 73              | 73              | 73             | 74             | 74             | 75        | 75            | 75              | 76          | 76              | 76             | 76              | 76              | 76             | 77           | 77             | 77          | 78           |
|         |                 |                | 71.3              |               |                |                 |                |                 |               |                 |               |                 |                 |                |                |                |           |               |                 |             |                 |                |                 |                 |                |              |                |             |              |
| Į.      | 1 5             | , 6            | 16                | 16            | 16             | 16              | 16             | 16              | 16            | 16              | 16            | 16              | 16              | 16             | 16             | 16             | 16        | 16            | 16              | 16          | 16              | 16             | 16              | 16              | 16             | 16           | 16             | 16          | 16           |
| H       | 1 -             | : :            | 11                | 11            | 11             | 11              | 11             | 11              | 11            | 11              | 11            | 11              | 11              | 11             | 11             | 11             | 11        | 11            | H               | 11          | 11              | 11             | 11              | 11              | 11             | 11           | 11             | 11          | 11           |
| -02-80- | 21-W/TG-578-60- | -09-825-517A-I | 9-825-517A-61     | -09-825-517A- | -09-825-517A-5 | -09-825-517A-14 | -09-825-517A-1 | -09-825-517A-12 | 9-825-517A-12 | -09-825-517A-12 | 9-825-517A-10 | -09-825-517A-10 | -09-825-517A-10 | -09-825-517A-4 | -09-825-517A-8 | -09-825-517A-7 | 25-517A-1 | -09-825-517A- | -09-825-517A-52 | S           | -09-825-517A-13 | -09-825-517A-1 | -09-825-517A-11 | -09-825-517A-10 | -09-825-517A-4 | 9-825-517A-1 | -09-825-517A-9 | -09-825-517 | 9-825-517A-7 |
| 1.2     | 122,            | 112,           | Sequence 61, Appl | 60,           | equence 56,    | e 148,          | 142            | 129             | 125           | 123             | 109           | 105             | 104             | 42             | 86.            | 78,            | 118       | 82.           | 52,             | equence 151 | equence 133     | quence 119     | equence 113     | equence 100     | equence 49,    | equence 150  | equence 93,    | quence 75,  | equence 76,  |

## ALIGNMENTS

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RESULT 2
US-09-825-517A-127
i Sequence 127, Application US/09825517A
Publication No. US20030203415A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-116
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US-09-825-517A-116
                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 151
SOFTWARE: FRSESEQ for Windows Version 4.0
SEQ ID NO 116
LENGTH: 16
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 116, Application US/09825517A
Publication No. US20030203415A1
                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                Best
                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/541,345 PRIOR FILING DATE: 2000-04-03
                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                Local
                                                                                                                                                                                                           al Similarity
16; Conserv
                                                                                                                                                              1 DWVCEIVKNQWHCNVL
                                                                                                                                      DWVCEIVKNOWHCNVL
                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                    100.0%; Sc.
, 100.0%; Pr
                                                                                                                                                                        16
                                                                                                                                                                                                                          Score 101; DB 11;
Pred. No. 2.1e-07;
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                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                           16;
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; OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-127
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 80, Application US/09825517A Publication No. US20030203415A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 80
LENGTH: 16
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Best Local
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                                                                                                                                                                 Sequence 65, Application US/09825517A Publication No. US20030203415A1
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CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 09/541,345 PRIOR FILING DATE: 2000-04-03
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APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Rondon, Issac J
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT PEPLICATION UNUMER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: CEA binding polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      86.1%;
81.2%;
                                                                                                                                                                                                                                                                                                                                                                                 85.1%; Score 86; DB 11;
81.2%; Pred. No. 2.6e-05;
tive 1; Mismatches 2
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
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SEQ ID NO 65
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Publication No. US200 GENERAL INFORMATION:
                                                                                                                                                                                                                                                  Sequence 59, Applica Publication No. US20 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 149,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR FILING DATE: 2003-03-24
PRIOR PETILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FASTSEQ for Windows Version 4.0
           SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 59 LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                               APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/541,345 PRIOR FILING DATE: 2000-04-03
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APPLICANT: Ladner, Robert
                                                                    NUMBER OF SEQ ID NOS: 151
                                                                                                                                                                                                                    APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: CEA binding polypeptide
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ORGANISM: Artificial Sequence
FEATURE:
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TYPE: PRI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12;
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                                                                                                                                                                                                                                                                                      Application US/09825517A
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75.0%;
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87.5%;
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Pred. No.
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Pred. No. 4.9e-05
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; OTHER INFORMATION: Synthetic US-09-825-517A-147
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US-09-825-517A-88
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                                                                                                                                   PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 147
LENGTH: 16
TYPE: PRT
 Best Local Similarity
                         Query Match
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CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTMARE: PastSEQ for Windows Version 4.0
SEQ ID NO 88
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Best Local Similarity
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016 1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
BEIOR APPLICATION NUMBER: 2003-03-24
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Publication No. US20030203415A1
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APPLICANT: Ladner, Robert
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Best Local
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APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
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                                                                                                 ORGANISM: Artificial Sequence FEATURE:
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ORGANISM: Artificial Sequence
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Local Similarity 81.2%; Score 82; I
Local Similarity 81.2%; Pred. No. 9.
188 13; Conservative 0; Mismatche
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 81.2%;
75.0%;
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75.0%; Pred. No.
                                                                   16-mer microprotein analogue
Score 82;
Pred. No.
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               DB 11;
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                                                 Query Match
Best Local Similarity
Matches 12; Conserve
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                                                                                                                                   ; OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-128
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US-09-825-517A-128
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; PRIOR FILING DATE: 2000-04-03
: NUMBER OF SEQ ID NOS: 151
SOFTWARE: FASESEQ for Windows Version 4.0
SEQ ID NO 128
LENGTH: 16
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US-09-825-517A-126
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Publication No. US20030203415A1
                                                                                                                                                                                                                                                                                                            FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT DATE: 2003-03-24
PRIOR ADDITIONS
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SEQ ID NO 126
LENGTH: 16
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
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APPLICANT: Ladner, Robert
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APPLICANT: Ladner, Robert C
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANVIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
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DWVCNLFKNOWFCNVL
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                                                                  Conservative
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                                                                               Score 80; DB 11;
Pred. No. 0.00018
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Pred. No.
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RESULT 11
US-09-825-517A-137
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                                                                                                              RESULT 13
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APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
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LENGTH: 16
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                GENERAL INFORMATION: APPLICANT: Rondon,
                                                    Sequence 95, Application US/09825517A Publication No. US20030203415A1
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CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOPTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
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Ladner, Robert C
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Pred. No. 0.00018;
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OTHER INFORMATION: CEA binding polypeptide US-09-825-517A-95
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US-09-825-517A-139
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FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 95
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US-09-825-517A-50
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Best Local Similarity
Matches 12; Conserv
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LENGTH: 16
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Publication No. US20030203415A1
GENERAL INFORMATION:
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FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
RITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMERYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1095-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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ORGANISM: Artificial Sequence
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75.0%;
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Copyright (c) 1993 - 2004 Compugen
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US-09-543-681A-4927
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Result No.

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| ALTGUMENTS | US-08-911-423-8   | TTO 00 P14 100 P1 | IIS-09-176-200-4 | US-09-512-363-28 | US-09-512-363-4   | US-08-911-423-4 | US-09-176-200-6                       | US-09-512-363-6 | US-09-176-200-2   | US-09-512-363-2   | US-U8-911-423-/   | TO 00 012 100 0 | US-08-911-423-6 | US-09-328-352-6740 | US-08-444-818-28 | US-08-444-818-24  | 00 00-202-007-90  | 09-262-027-0 | US-08-262-037-95 | US-08-262-037-16 | US-07-894-063A-6  |  |
|            | Sequence 8, Appli | sequence 4, Appri | . !              | )<br>B           | Sequence 4, Appli | 4.              | <u>ი</u> .                            | •               | Sequence 2, Appli | Sequence 2, Appli | Sequence 7, Appli | Tridia o, Phir  | ,               | 6740               | •                | Sequence 24, Appl | sequence 96, Appl | 1 1          | Ď,               | 16               | Sequence 6, Appli |  |

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; Sequence 7142, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
APPLICANT: GARY BRETON
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACITILE OF INVENTION: DIAGNOSTICS AND THERAPEU
FILE REFERENCE: 2709.1002-001
CURRENT APPLICATION NUMBER: US/09/543,681A
CURRENT APPLICATION NUMBER: US 60/128,706
PRIOR APPLICATION NUMBER: US 60/128,706
PRIOR APPLICATION DATE: 1999-04-09
NUMBER OF CONTANTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-543-681A-7142
                                                                                                                                                                                                                                                                                                                                     Sequence 5, Application US/08414926A
Patent No. 5721354
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SEQ ID NO 7142
LENGTH: 494
TYPE: PRT
                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Spaete, Richard
APPLICANT: Cha, Tai-An
TITLE OF INVENTION: NOVEL HUMAN
NUMBER OF SEQUENCES: 27
                  ZIP: 94306-2155
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Proteus mirabilis
                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                           CITY: Palo Alto
                                                                                                                                                                            ADDRESSEE: Cooley Godward (STREET: 5 Palo Alto Square
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Pred. No. 31;
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Version #1.25
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/4.
FILING DATE: March 31, 1995

US/08/414,926A

ATTORNEY/AGENT INFORMATION:

CLASSIFICATION:

NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AVIR-011/OOUS

TELEFAX: 415-857-0663
INFORMATION FOR SEQ ID NO: 5:

TELECOMMUNICATION INFORMATION: TELEPHONE: 415-494-7622

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US-08-926-922-5
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                                                                                     US-08-926-922-5
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                              Matches
                                         Query Match
Best Local Similarity
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                                                                                                                                                   TELEFAX: 510-839-7810
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
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TOPOLOGY: lin-
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LENGTH: 399 amino acid
                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Spaete, Richard
APPLICANT: Cha, Tai-An
TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
NUMBER OF SEQUENCES: 27
                                                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: 510-834-1448
                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/926,9
FILING DATE: September 10, 1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 750 AL
                                                                                                                                                                                                                         NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AV
                                                                                                               TOPOLOGY:
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                                                                                                                                         LENGTH:
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  2 WVCEIVKNQW 11
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                               Conservative
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                                         42.6%;
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Pred. No.
                                                                                                                                                                                                                            AVIR 11A
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                              Score 43; DB;
Pred. No. 69;
2; Mismatches
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US-09-527-657-5
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Patent No. 6291236
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: September 10, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AVIR 11A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-834-1448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: 510-834-14-
TELEFAX: 510-839-7810
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/253,682
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Spaete, Richard APPLICANT: Cha, Tai-An TITLE OF INVENTION: NOVEL
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PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid TOPOLOGY: linear
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                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Luann Cserr Attorney at Law
                                                                                                                                          Cha, Tai-An
TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
NUMBER OF SEQUENCES: 27
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COMPUTER READABLE FORM:
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              COUNTRY: USA
ZIP: 94610
                                                                                       STREET: 750 Arimo Avenue
                                                    STATE: CA
                                                                     CITY: Oakland
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US-09-892-100-5
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SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
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APPLICATION NUMBER: US/08/926,922

FILING DATE: September 10, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Cserr, Luann

REGISTRATION NUMBER: 31,822

REFERENCE/DOCKET NUMBER: AVIR 11A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 510-834-1448

TELEPHONE: 510-834-1448
                                                                                                                                                                                                                   COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/892,100

FILING DATE: 26-Tun-2001
                                                                                           PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/527,657
FILING DATE: 17-Mar-2000
APPLICATION NUMBER: US/08/926,922
FILING DATE: September 10, 1997
ATTORNEY/AGENT INFORMATION:
REFERENCE/DOCKET NUMBER: AVIR 11A TELECOMMUNICATION INFORMATION: TELEPHONE: 510-834-1448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 27 CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATE: US/09/527,657
FILING DATE: 17-Mar-2000
CLASSIFICATION: <UNKnown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cha, Tai-An
TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Spaete, Richard
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                                                       NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
                                                                                                                                                                                                                                                                                                                                                                                                     STATE: CA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 750 A)
                                                                                                                                                                                                           CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Application US/09892100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Luann Cserr Attorney at Law
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GENERAL INFORMATION:
APPLICANT: Hoch, James
APPLICANT: Hoch, James
APPLICANT: Dartois, Veronique
FILLE OF INVENTION: METABOLIC SELECTION METHODS
FILE REFERENCE: 234/191
CURRENT APPLICATION NUMBER: US/09/172,952
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 33
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 13
LENGTH: 315
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APPLICATION NUMBER: US SN 08/462,108
FILING DATE: 05-7UN-1995
PRIOR APPLICATION DATA:
APPLICATION UMBER: US SN 08/378,144
FILING DATE: 24-JAN-1995
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
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Sequence 4, Application US/
GENERAL INFORMATION:
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SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/00994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION:
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OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 458 amino acids
TYPE: amino acid
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Local Similarity 60.0%;
es 6; Conservation
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Pred. No. 80;
4; Mismatches
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Pred. No.
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Query Match
Best Local Similarity
Thes 7; Conserve
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US-09-172-952-13
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                                                                                                                RESULT 10
US-09-100-193-3
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            Sequence 3, Application US/09100193
Patent No. 6153729
GENERAL INFORMATION:
APPLICANT: Gary S. Stein et al.
TITLE OF INVENTION: NUCLEAR MATRIX TARGETING PEPTIDES AND USES THEREFORE NUMBER OF SEQUENCES: 14
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                                                                                                                                                                                                                                                                                    Query Match
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APPLICANT: Gary S. Stein et al.
APPLICANT: OF INVENTION: NUCLEAR MATRIX TARGETING PEPTIDES AND USES THEREFORE NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
                                                                                                                                                                                                                                                                                                                                                                                                                                    NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 415 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Jane E. Remillard
REGISTRATION NUMBER: 38.872
REFERENCE/DOCKET NUMBER: UM
TELECOMMUNICATION INFORMATION:
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APPLICATION NUMBER: US 60,
FILING DATE: 20-JUNE-1997
ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Floppy
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/09/100,193 FILING DATE: CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: Massachusetts
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE:
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                                                                                                                                                                                                                                                                    Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                       linear
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43.8%;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         UMM-024
                                                                                                                                                                                                                                                                                    Score 42;
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76;
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                    Query Match
Best Local Similarity
Thes 4; Conserv
                                                                                                 , OTHER INFORMATION: Description of Artificial Sequence: US-09-086-663A-79
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GENERAL INFORMATION:
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                                                                                                                                                                                                    SOFTWARE: PatentIn Ver. 2.1 SEQ ID NO 79
                                                                                                                                                                                                                                                                                                                    APPLICANT: DUCY, PATRICIA
APPLICANT: KARSENTY, GERARD
TITLE OF INVENTION: OSP2/CBFA1 COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: UTSC:525
CURRENT APPLICATION NUMBER: US/09/086,663A
CURRENT FILING DATE: 1998-05-29
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/080,189
PRIOR FILING DATE: 1998-03-24
PRIOR APPLICATION NUMBER: 60/048,430
PRIOR FILING DATE: 1997-05-29
                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 83
                                                                                                                                   TYPE: PRT ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
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APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                      ENGTH: 521
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CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 38, REFERENCE/DOCKET NUMBER:
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Similarity 28.6%;
4; Conservative
 1 DWVCEIVKNQWHCN 14
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                                                     41.6%;
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Pred. No. 1.3e+02;
                                                    Score 42; DB 4;
Pred. No. 1.3e+02
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                                      Mismatches
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120 NFLCSVLPSHWRCN

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RESULT 14
US-09-086-663A-71
i Sequence 71, Application US/09086663A
i Patent No. 6518063
i GENERAL INFORMATION:
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                                                                                                                                                                                                                                                     ; LENGTH: 528
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-086-663A-82
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US-09-086-663A-81
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Best Local S
Matches 4
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Best Local (
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APPLICANT: DUCY, PATRICIA
APPLICANT: KARGENTY, GERARD

TITLE OF INVENTION: OSF2/CBFA1 COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: UTSC:525

CURRENT APPLICATION UNMBER: US/09/086,663A

CURRENT FILING DATE: 1998-05-29
                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Ver. 2.1 SEQ ID NO 82
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                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 60/080,189
PRIOR FILING DATE: 1998-03-24
                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 83
                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/048,430 PRIOR FILING DATE: 1997-05-29
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APPLICANT: KARSENTY, GERARD
TITLE OF INVENTION: OSF2/CBFA1 COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: UTSC:525
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                                                                                                                 127 NFLCSVLPSHWRCN 140
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4; Conserv
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28.6%;
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28.6%;
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Pred. No. 1.3e+02;
6; Mismatches 4
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Pred. No. 1.
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                                                                                                                                                                                                                Length 528;
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Search completed: September Job time : 13.2 secs
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US-09-086-663A-2
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 596
TYPE: PRT
                                                                                                                                          Matches
                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: DUCY, PATRICIA
APPLICANT: KARSENTY, GERARD
TITLE OF INVENTION: OSF2/CBFA1 COMPOSITIONS AND METHODS
FILE REFERENCE: UTSC:525
CURRENT APPLICATION NUMBER: US/09/086,663A
CURRENT FILLING DATE: 1998-05-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 2, Application US/09086663A
Patent No. 6518063
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Best Local Similarity
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SEQ ID NO 71
LENGTH: 548
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/080,189
PRIOR FILING DATE: 1998-03-24
PRIOR APPLICATION NUMBER: 60/048,430
PRIOR FILING DATE: 1997-05-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/086,663A CURRENT FILING DATE: 1998-05-29 PRIOR APPLICATION NUMBER: 60/080,189 PRIOR FILING DATE: 1998-03-24 PRIOR APPLICATION NUMBER: 60/048,430 PRIOR FILING DATE: 1997-05-29 NUMBER OF SEQ ID NOS: 83
                                                                                                                                                                                                                           OTHER INFORMATION: OTHER INFORMATION:
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                                                                                                                                                                                                                                                             FEATURE:
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APPLICANT: KARSENTY, GERARD
TITLE OF INVENTION: OSF2/CBFA1 COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: UTSC:525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence: Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
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                                                                    195 NFLCSVLPSHWRCN 208
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                                                                                                    1 DWVCEIVKNOWHCN 14
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                                                                                                                                        Conservative
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Pred. No. 1.3e+02;
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                                                                                                                                                                   Length 596;
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                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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                                                                                                                                                                                                                                      Synthetic
                                                                                                                                 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                 Gaps
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                                                                                                                                 0;
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0,

8

2004, 12:58:32

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Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Minimum DB
Maximum DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Minimum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Run on:
                                                                                                                                                                                                                                           No
                                                                                                                                                                                                                                                                                                               and is derived
                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed,
                                                                                                                                                                                                                                          Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   seq length: 0
seq length: 2000000000
              ı
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           100.0
89.7
86.9
86.9
84.1
82.2
79.4
79.4
79.4
79.4
79.4
79.4
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11:
12:
13:
14:
15:
16:
17:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 DWVCEWFKPQWICNLL 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                September 8, 2004, 12:53:30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-825-517A-115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Published_Applications_AA:*
                                                                                                                                                                                                                                                                                                                                                           /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB_pep:*
/cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09E_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US00_NEW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US00_NEW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US00_NEW_PUB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd
                                                                                                                                                                                                                                                                                                            by analysis of the total
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /cgn2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /cgn2
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                                                                                                                                                                                                                                       Length
           6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
6/ptodata/1/pubpaa/PCT NEW PUB.pep:*
6/ptodata/1/pubpaa/US06_NEW PUB.pep:*
6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
6/ptodata/1/pubpaa/US07_NEW PUB.pep:*
6/ptodata/1/pubpaa/US07_NEW PUB.pep:*
6/ptodata/1/pubpaa/US07_NEW PUB.pep:*
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                                                                                                                                                                                                                                        DB
             Gapext 0.5
       US-09-825-517A-115
US-09-825-517A-68
US-09-825-517A-130
US-09-825-517A-104
US-09-825-517A-144
US-09-825-517A-140
US-09-825-517A-160
US-09-825-517A-105
US-09-825-517A-112
US-09-825-517A-122
US-09-825-517A-122
US-09-825-517A-138
US-09-825-517A-138
US-09-825-517A-139
US-09-825-517A-139
US-09-825-517A-134
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                                                                                                                                                                                                                                                                                 SUMMARIES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ); Search time 44.3 (without alignments)
                                                                                                                                                                                                                                                                                                          score distribution
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1298764
Sequence 115, App
Sequence 68, Appl
Sequence 130, App
Sequence 104, App
Sequence 104, App
Sequence 100, Appl
Sequence 54, Appl
Sequence 105, Appl
Sequence 112, App
Sequence 112, App
Sequence 112, App
Sequence 112, App
Sequence 113, App
Sequence 139, App
Sequence 139, App
Sequence 139, App
Sequence 140, App
Sequence 141, App
                                                                                                                                                                                                                                  Description
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| ji<br>U       | 4 A         | 4        | 242         | #<br>-        | 4 4            | . (<br>(9)     | 8.0             | 37      | 36             | 35             | 34              | (L)           | 32             | L<br>L         | 0.0            | 29           | 22                | 27              | 26            | N. 5          | 24        | 23            | 22            | 21          | 20          | 19          | 18          | 17            | 16                 |
|---------------|-------------|----------|-------------|---------------|----------------|----------------|-----------------|---------|----------------|----------------|-----------------|---------------|----------------|----------------|----------------|--------------|-------------------|-----------------|---------------|---------------|-----------|---------------|---------------|-------------|-------------|-------------|-------------|---------------|--------------------|
| 12            | ז ג<br>ג    | 1 4      |             | 14            | 1.4            | 74             | 74              | 75      | 76             | 76             | 76              | 77            | 77             | 77             | 78             | 79           | 79                | 80              | 81            | 82            | 82        | 82            | 82            | 83          | 83          | 83          | 83          | 84            | 84                 |
| •             | 68.2        |          |             |               |                |                |                 |         |                |                | •               | ٠             | •              |                | ٠              |              | 73.8              |                 |               | •             | 76.6      | •             | •             | ٠           | 77.6        | 77.6        | ٠           | 78.5          | 78.5               |
| 16            | 16          | 16       | 16          | 16            | 16             | 16             | 16              | 16      | 16             | 16             | 16              | 16            | 16             | 16             | 16             | 16           | 16                | 16              | 16            | 16            | 16        | 16            | 16            | 16          | 16          | 16          | 16          | 16            | 16                 |
| 11            | ין:<br>ין:  | 11       | 11          | 11            | 11             | 11             | 11              | 끄       | 11             | 11             | 11              | 11            | 11             | 11             | 11             | 11           | 11                | 11              | 11            | 11            | 11        | 11            | 11            | 11          | 11          | 11          | 11          | 11            | 11                 |
| -09-825-517A- | -825-517A-1 | -09-825- | -825-517A-8 | -09-825-517A- | -09-825-517A-1 | -09-825-517A-9 | -09-825-517A-49 | -517A-1 | -09-825-517A-1 | -09-825-517A-1 | -09-825-517A-80 | -09-825-517A- | -09-825-517A-1 | -09-825-517A-6 | -09-825-517A-9 | 9-825-517A-1 | -09-825-517A-9    | -09-825-517A-76 | -09-825-517A- | -09-825-517A- | -09-825-5 | -09-825-517A- | -09-825-517A- | 9-825-517A- | 9-825-517A- | -09-825-517 | -825-517A-  | -09-825-517A- | US-09-825-517A-125 |
| e 55,         | equence 128 | e 97,    | equence     | e 151         | equence        | equence 90,    | P 49            | e 109   | e 147          | 106            | D (             | edience 117   | 107            | 7 7            |                | 101          | Sequence 91. Appl | e 76.           | P 103         | e 137         | D (       | 75,           | D (           | equence 150 | equence 148 | equence     | equence 141 | e (           | 25                 |

### ALIGNMENTS

RESULT 1

US-09-825-517A-115

```
APPLICANT: Ladner, Robert C

TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC

TITLE OF INVENTION: ANTIGEN (CEA)

FILE REFERENCE: DYX-016.1 (3421.1005-001)

CURRENT APPLICATION NUMBER: US/09/825,517A

CURRENT FILING DATE: 2003-03-24

PRIOR APPLICATION NUMBER: US 9/541,345

PRIOR FILING DATE: 2000-04-03

NUMBER OF SEQ ID NOS: 151

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 115

EXECTION 16
RESULT 2
US-09-825-517A-68
; Sequence 68, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
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                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                    US-09-825-517A-115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 115, Application US/09825517A
Publication No. US20030203415A1
GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
                                                                                                                                                                                                                              Query Match
Best Local
                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Synthetic 16-mer microprotein analogue
                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                           16;
                                                                                                                                                                       سر
                                                                                                                                                             DWVCEWFKPQWICNLL 16
                                                                                                                                  DWVCEWFKPOWICNIL 16
                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                         0
                                                                                                                                                                                                                     Score 107; DB 1
Pred. No. 1e-07;
                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                        DB 11;
                                                                                                                                                                                                     0;
                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                          16;
                                                                                                                                                                                                     0,
                                                                                                                                                                                                Gaps
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0;

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APPLICANT: Ladner, Robert C

TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMERYONIC

TITLE OF INVENTION: ANTIGEN (CEA)

FILE REFERENCE: DYX-016.1 (3421.1005-001)

CURRENT APPLICATION NUMBER: US/09/825,517A

CURRENT FILING DATE: 2003-03-24

PRIOR APPLICATION NUMBER: US 09/541,345

PRIOR APPLICATION NUMBER: US 09/541,345

PRIOR FILING DATE: 2000-04-03

NUMBER OF SEQ ID NOS: 151

SOFTWARE: FastSEQ for Windows Version 4.0

TENTORY 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-825-517A-68
                                                                                                                                                                                                    US-09-825-517A-104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 130, Application US/09825517A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 68
                                                                                                                                  Sequence 104, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                        Best
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR PILING DATE: 2000-04-03
RUMBER OF SEQ ID NOS: 151
                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Rondon,
APPLICANT: Ladner
          APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE:
                                                                                                APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: CEA binding polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ENGTH: 16
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                                                                                                                                                                                                                                                                                                                          1 DWVCEWEKPOWICNLL 16
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                                                                                                                                                                                                                                                                                                                                                                                        Similarity
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2003-03-24
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; Pred. No. 3e-0
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                          Score 93; DB 11;
Pred. No. 7.6e-06;
                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 11;
3e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-825-517A-144
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-144
                                                                                                                                                                                                                                                                                                                 US-09-825-517A-100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Publication No. US20 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 144, Application US/09825517A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 144
                                                                                                                                                                                                                                                       Sequence 100, Application No. US200 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
TILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT EPPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR PILING DATE: 2000-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 09/541,345 PRIOR FILING DATE: 2000-04-03
             SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 100 LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Rondon, Issac J APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                    CURRENT APPLICATION NUMBER: US/09/825,517A CURRENT FILING DATE: 2003-03-24 PRIOR APPLICATION NUMBER: US 09/541,345 PRIOR FILING DATE: 2000-04-03
                                                                                                                                                             APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-0.16.1 (3421.1005-001)
                                                                                                                                                                                                                     APPLICANT: Rondon, Issac J APPLICANT: Ladner, Robert
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                                                                     NUMBER OF SEQ ID NOS: 151
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TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local
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o. US20030203415A1
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81.2%;
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Pred. No.
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ORGANISM: Artificial Sequence FEATURE:

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US-09-825-517A-86
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                                                                                                                         NUMBER OF SEQ ID NOS: 151
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 86
LENGTH: 16
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                        Query Match
   Best Local Similarity
                                                                                                                                                                                               APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REPERENCE: DXY-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT APPLICATION NUMBER: US/09/825,517A
PRIOR APPLICATION NUMBER: US/09/825,517A
PRIOR PILING DATE: 2003-03-24
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 86, Application US/09825517A
Publication No. US20030203415A1
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 54
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Best Local (
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                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
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Best Local Similarity 81.2%;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
                                                                       FEATURE:
OTHER INFORMATION:
                                                                                                    ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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                                                                    CEA binding polypeptide
   79.4%;
81.2%;
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Score 85;
Pred. No.
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Pred. No. 3
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DB 11;
9e-05;
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               Length 16;
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                                                                                                                                    ; OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-112
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US-09-825-517A-112
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CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 112
LENGTH: 16
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                                                         Query Match
Best Local Similarity
Matches 12; Conserv
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Publication No. US20030203415A1
GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
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FILE REFERENCE: DYX-016.1 (3421.1005-001)
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                                                                                                                                                                   TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016,1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
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APPLICANT: Ladner, Robert
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DWVCEWLKMQWACNIL 16
                               DWVCEWFKPQWICNLL 16
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                                                                              79.4%;
75.0%;
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75.0%;
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                                                                               Score 85; DB 11
Pred. No. 9e-05;
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                                                                                             Length 16;
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                                                              Indels
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RESULT 11
US-09-825-517A-122
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US-09-825-517A-139
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-0.6.1 (3421.1005-001)
CURRENT PELICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 138
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOPTMARE: FastSEQ for Windows Version 4.0
            GENERAL INFORMATION:
APPLICANT: Rondon,
                                                                                                                                                                                                                                                               Matches
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APPLICANT: Ladner, Robert
                                                     Sequence 139, Application US/09825517A Publication No. US20030203415A1
                                                                                                                                                                                                                                                                                       Best
                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 16
TYPE: PRT
ORGANISM: Artificial Sequence
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
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Ladner, Robert C
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                       Issac J
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75.0%;
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75.0%;
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Pred. No. 9e-05;
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Pred. No. 9e-05;
1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-825-517A-140
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FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTMARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 139
LENGTH: 16
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US-09-825-517A-143
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SEQ ID NO 140
LENGTH: 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 79.4%;
Best Local Similarity 75.0%;
                                                                                                                                                                       Sequence 143, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 140, Appublication No.
                                                                                                                                                                                                                                                                                                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1055-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR PILING DATE: 2000-04-03
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMERYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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APPLICANT: Ladner, Robert
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ORGANISM: Artificial Sequence
                                                                                                                                       APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
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Pred. No.
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; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 143
; LENGTH: 16
; PARTISE: ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic 16-mer microprotein analogue
US-09-825-517A-143

Query Match
Best Local Similarity 75.0%; Pred. No. 9e-05;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps O;

OY 1 DWVCEWEKPOWICHL 16
Db 1 DWVCEWLKNOWACHNIL 16
Search completed: September 8, 2004, 14:25:06
Job time: 45.3 secs
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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Issued Patents AA:*

1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*
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107
1 DWVCEWFKPQWICNLL 16
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Query Match Length DB ID  49 45.8 677 3 US-09-061-768A-4 48 44.9 71 4 US-09-764-246-4 47 43.9 393 1 US-08-689-974-4 46 43.0 24 1 US-08-681-376-866 46 43.0 24 2 US-08-827-570-86 46 43.0 501 4 US-09-465-519-2 46 43.0 501 4 US-09-465-519-2 47 42.5 157 3 US-09-461-474-10 45.5 42.5 157 3 US-09-461-474-10 45.5 42.1 326 1 US-08-818-270-86 46 43.0 501 4 US-09-467-519-2 48 42.1 326 1 US-09-461-474-10 49 42.1 326 1 US-09-461-474-10 49 42.1 326 1 US-08-818-270-88 40 41.1 89 4 US-09-461-474-8 41.1 89 4 US-09-461-378-8 42 39.3 56 1 US-08-484-635-89 42.5 39.7 51 4 US-08-484-635-89 42.5 39.7 51 4 US-08-328-256-9 42.3 39.3 32.1 4 US-09-345-236B-79 42.3 39.3 3486 1 US-09-171-461-22 39.3 348 6 US-09-352-991A-31879 42 39.3 348 6 US-09-352-991A-31879 | 27      | 26           | ) N               | 24            | 23            | 2 2 2        | ) L           | ) C          | ) L           | , E            | 17              | 16           | 15          | 14           | 13            | 12            | 11            | 10           | 9             | ω             | 7             | 0             | . UT         | 4.           | . L             | , v          | , µ           | No.            |
|--|---------|--------------|-------------------|---------------|---------------|--------------|---------------|--------------|---------------|----------------|-----------------|--------------|-------------|--------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|---------------|--------------|--------------|-----------------|--------------|---------------|----------------|
| DB ID  105-09-061-768A-4 4 US-09-621-976-2666 1 US-08-689-974-4 1 US-09-621-976-24 1 US-08-484-631-86 2 US-08-484-631-86 2 US-08-484-631-86 2 US-08-465-519-2 4 US-09-465-519-2 4 US-09-461-474-14 3 US-09-461-474-14 3 US-09-461-474-8 1 US-08-88-876-9 3 US-08-88-876-9 3 US-08-88-876-9 3 US-08-88-876-9 3 US-08-88-876-9 3 US-08-88-876-9 3 US-08-9461-474-8 4 US-09-461-474-8 4 US-09-461-474-8 7 US-08-88-750-89 8 US-08-88-750-89 9 US-08-88-750-89 1 US-08-38-256-7 1 US-08-38-256-7 1 US-08-38-256-12 1 US-08-38-256-12   | 42      | 42           | 4.2               | 42            | 42            | 4.2          |               | 4            |               |                | 44              |              | <b>4</b> 5  | 4.5          | 45            | ٠             | ٠             | 44           | 46            | 46            | 46            |               |              |              |                 | . 4.         | 49            | Score          |
| DB ID  105-09-061-768A-4 4 US-09-621-976-2666 1 US-08-689-974-4 1 US-09-058-376-4 1 US-09-058-376-4 1 US-08-484-631-86 2 US-08-484-631-86 2 US-08-465-519-2 4 US-09-465-519-4 3 US-09-461-474-14 3 US-09-461-474-14 3 US-09-461-474-8 1 US-08-118-270-39 5 PCT-US93-08528-39 3 US-08-98-876-9 3 US-08-484-635-89 1 US-08-484-635-89 2 US-08-484-635-89 2 US-08-388-27-570-89 4 US-09-345-2368-79 1 US-08-328-256-12 1 US-08-328-256-12 6 5256558-5   | . 9     | 9            | 9                 | 9             | 9             | 9            | .9            |              |               |                |                 |              |             |              |               |               |               |              |               |               | ω             | w             | w            | Ü            | 4               | U            |               | Query<br>Match |
| US-09-061-768A-4 US-09-764-246-4 US-09-764-246-4 US-09-621-976-5666 US-08-689-974-4 US-09-058-376-4 US-09-058-376-8 US-08-484-631-86 US-08-485-519-2 US-09-465-519-2 US-09-461-474-14 US-09-461-474-14 US-09-461-474-19 US-08-181-270-39 PCT-US93-08528-39 PCT-US93-08528-39 PCT-US93-08528-79 US-08-484-631-89 US-08-484-631-89 US-08-827-570-88 US-08-484-631-89 US-08-827-570-89 US-08-827-570-89 US-08-827-570-89 US-09-345-2368-79 US-09-345-2368-79 US-09-345-2368-79 US-09-497-491-47 US-09-171-461-22 US-09-252-991A-3187  | 548     | 496          | 486               | 321           | 63            | 56           | 51            | 26           | 26            | 26             | 89              | 448          | 342         | 326          | 326           | 474           | 157           | 501          | 501           | 24            | 24            | 24            | 9            | ø            | 71              | 677          | 677           | Length         |
| 3-09-061-768A-4 3-09-061-768A-4 3-09-061-764-246-4 3-09-621-976-4 3-09-621-976-4 3-08-889-974-4 3-08-484-631-86 3-08-484-631-86 3-08-481-474-14 3-09-461-474-14 3-09-461-474-19 3-08-488-631-89 3-08-588-58-58-58 5-58-58-58-58-58-58-58-58-58-58-58-58-58   | σ       | μ            | 4                 | 4             | 4             | Н            | 4             | N            | 2             | <b>بــ</b>     | 4               | w            | w           | ψı           | ᆫ             | W             | w             | 4            | 4             | N             | 2             | ч             | w            | μ            | 4               | 4            | w             | DB             |
|  | 56558-5 | -08-328-256- | -09-252-991A-3187 | -09-171-461-2 | -09-497-491-4 | -08-328-256- | 09-345-236B-7 | 08-827-570-8 | -08-484-631-8 | -08-484-635-89 | -09-621-976-715 | -09-461-474- | 8-988-876-9 | US93-08528-3 | -08-118-270-3 | -09-461-474-1 | -09-461-474-1 | -09-465-519- | -09-465-519-2 | -08-827-570-8 | -08-484-631-8 | -08-484-635-8 | -09-058-376- | -08-689-974- | -09-621-976-566 | -09-764-246- | -09-061-768A- | UI             |

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|--|-------------------|-----------------|------------------|------------------|------------------|-----------------|-------------------|-------------------|-------------------|----------------------|---------------------|---------------------|------------------|-----------------|----------------------|---------------------|-------------------|-------------------|----------------------|
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| * * * * * * * * * * * * * * * * * * *  | 37.4              | ) L             | 77.4             | 37.4             | 37.4             | 37.4            | 37.4              | 37.4              | 37.4              | 37.4                 | 37.4                | 38.3                | 38.3             | 38.3            | 38.3                 | 38.3                | 38.3              | 38.3              | 09.0                 |
| 4 US-09-252-991A-23193 4 US-09-723-251A-27 4 US-09-723-251A-27 4 US-09-723-251A-27 4 US-09-723-251A-27 4 US-09-134-001C-3709 4 US-09-252-991A-18242 2 US-09-121-870-42 4 US-09-121-870-42 4 US-09-121-870-42 5 US-09-121-870-42 6 US-09-121-870-801 7 US-09-342-325C-50 7 US-09-342-325C-53 7 US-09-342-325C-54  | 439               | 165             | 101              | 391              | 391              | 380             | 179               | 179               | 179               | 133                  | 108                 | 487                 | 444              | 423             | 399                  | 340                 | 21                | 21                | TO /4                |
| US-09-347-2529<br>US-09-373-251A-27<br>US-09-733-251A-27<br>US-09-733-251A-27<br>US-09-134-001C-3709<br>US-09-252-991A-18242<br>US-08-9721-870-42<br>US-09-721-870-42<br>US-09-134-000C-6001<br>US-09-134-000C-6001<br>US-09-134-2325C-50<br>US-09-342-325C-53<br>US-09-342-325C-53<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-342-325C-54<br>US-09-3 | W                 |                 | J I              |                  | <u> </u> _1      | 4               | 4                 | 4                 | 4                 | 4                    | 4                   | 4                   | 4                | w               | 4                    | 4                   | 4                 | 4                 | 4                    |
|  | US-09-457-046B-68 | 05-09-092-409-6 | TE 00 000 (E0A-0 | US-08-680-7268-6 | US-08-602-010A-6 | US-09-335-586-1 | US-09-342-325C-54 | US-09-342-325C-53 | US-09-342-325C-50 | US-09-252-991A-23595 | US-09-107-532A-6130 | US-09-134-000C-6001 | US-09-721-870-42 | US-08-943-714-9 | US-09-252-991A-18242 | US-09-134-001C-3709 | US-09-723-251A-27 | US-09-337-227C-27 | US-09-252-991A-21193 |

# ALIGNMENTS

| Query Match 45.8%; Score 49; DB 3; Length 677; Best Local Similarity 45.5%; Pred. No. 14; Matches 5; Conservative 3; Mismatches 3; Indels 0 | ; iLENGTH: 677 amino acids ; TYPE: amino acid ; STRANDEDNESS: single ; TOPOLCCY: unknown US-09-061-768A-4 | HILDMREY AGENT INFORMATION:  NAME: ARLES A. TAYLOR, JR.  REGISTRATION NUMBER: 39,395  REFERENCE/DOCKET NUMBER: 1242/5  TELECOMMUNICATION INFORMATION:  TELEFAX: (919) 493-8000  TELEFAX: (919) 493-8000  TELEFAX: (919) 419-0383  INFORMATION FOR SEQ ID NO: 4:  SECHIEMCE CHARACTER CETTER. | AHO ZÞORE E ÞE | RESULT 1  US-09-061-768A-4  IS-09-061-768A-4  Sequence 4, Application US/09061768A  Patent No. 6204037  GENERAL INFORMATION: APPLICANT: BOEGLIN, WILLIAM E. APPLICANT: JISAKA, MITSUO  ITILE OF INVENTION: LIPOXYGENASE PROTEINS AND NUCLEIC ACIDS NUMBER OF SEQUENCES: 3  CORRESPONDENCE ADDRESS: ADDRESSEE: ARLES A. TAYLOR, JR. ADDRESSEE: ARLES A. TAYLOR, JR. CITY: DURHAM |
|---|---|--|----------------|---|
|   |   |  |                | ACIDS   |
| 0;  |   |  |                | e «   |
| Gar   |   |  |                |   |

WFCRWFELEWL 98

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Sequence 5666, Application US/09621976

Patent No. 6639063

GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, J.B.

APPLICANT: Jobert, S.

APPLICANT: Jobert, S.

TITLE OF INVENTION: ESTS and Encoded Human Proteins.

TITLE OF INVENTION: ESTS and ENCODED Human Proteins.

CURRENT APPLICATION NUMBER: US/09/621,976

CURRENT FILING DATE: 2000-07-21

NUMBER OF SEQ ID NOS: 19335

SOFTWARE: Patent.pm
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US-09-764-246-4
                                                                                                                                                                                                                                                                              RESULT 3
US-09-621-976-5666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-764-246-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 45.8%;
tes 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 MB storage
COMPUTER: IBM PC/XT/AT compatible
OPERATING SYSTEM: Windows 3.1
SOFTWARE: WORD PERFECT 6.1 and ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/09/764,246
FILING DATE: 17-Jan-2001
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: ARLES A. TAYLOR, JR.
STREET: SUITE 1400, UNIVERSITY TOWER, 3100 TOWER BOULEVARD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
TELEPHONE: (919) 493-8000
TELEFAX: (919) 419-0383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: ARLES A. TAXLOR, JR.
REGISTRATION NUMBER: 39,395
REFERENCE/DOCKET NUMBER: 1242/5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: LIPOXYGENASE PROTEINS AND NUCLEIC ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: BRASH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE DESCRIPTION: SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                      88
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: DURHAM
STATE: NORTH CAROLINA
                                                                                                                                                                                                                                                                                                                                                                      WFCRWFELEWL 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS: single TOPOLOGY: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 677 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JISAKA, MITSUC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ALAN R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 49; DB 4; Length 677; Pred. No. 14; 3; Mismatches 3; Indels
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; NAME/KEY: SIGNAL
; LOCATION: -24..-1
US-09-621-976-5666
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                                                                                                               ; CLONE: ,
US-08-689-974-4
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LENGTH: 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 4, Application US/08689974
Patent No. 5776732
GENERAL INFORMATION:
APPLICANT: Au-Young, Janice
APPLICANT: Hawkins, Phillip R.
APPLICANT: Muxray, Lynn E.
APPLICANT: MUXRAY, Lynn E.
TITLE OF INVENTION: NOVEL HUMAN INDUCED TUMOR PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
Matches 6; Conserv
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                                                                  Query Match
Best Local S
                                                                                                                                                                                                                                          TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
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TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                 NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 5
                                                                                                                                                                    TOPOLOGY: 1. MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                        FILING DATE: Filed Herew: ATTORNEY/AGENT INFORMATION:
                                                                                                                                       IMMEDIATE SOURCE:
LIBRARY: GenBa
                                                                                                                                                                                  TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
                                                                                                                                                                                                                             LENGTH:
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360 WLAVWFKMGSSWLCLLL 376
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                          2 WVCEWFK--PQWICNIL 16
                                                  n 43.9%; Score 47; DB Similarity 47.1%; Pred. No. 16; 8; Conservative 2; Mismatches
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                                                                                                                                                                                                                             393 amino acids
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                                                                                                                                          GenBank
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                                                                                                                                                                    peptide
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                                                                                      DB 1;
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                                                                                    Length 393;
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RESULT 5 US-09-058-376-4

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US-08-484-635-86
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Best Local Similarity
Thes 8; Conserve
                                                                                                                                                    ; Patent No. 5773569
; GENERAL INFORMATION:
; APPLICANT: Wrightor
; APPLICANT: Dower, v
; APPLICANT: Chang, r
; APPLICANT: Jolliff
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-058-376-4
                                                                                                                                                                                                                                                   Sequence 86, App. ... No. 5773569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 4, Application US/09058376 Patent No. 6080841
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Patent No. 6080841
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 4:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
CITY: San Francisco
                                                              APPLICANT: Kashyap, Arun K.
APPLICANT: Jollife, Linda K.
APPLICANT: Jollife, Linda K.
APPLICANT: Johnson, Dana
APPLICANT: Mulcahy, Linda
TITLE OF INVENTION: Compounds and Peptides That Bind to the
TITLE OF INVENTION: Erythropoietin Receptor
MUNBER OF SEQUENCES: 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IMMEDIATE SOURCE:
LIBRARY: GenBa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: 1; MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Au-Young, Janice
APPLICANT: Hawkins, Phillip R.
APPLICANT: Murray, Lynn E.
TITLE OF INVENTION: MOVEL HUMAN INDUCED TUMOR PROTEIN
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 31.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLONE: 459890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/09/058,376 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                          360 WLAVWFKMGSSWLCLLL 376
                                                                                                                                                                                                                                                                                                                                                                                         2 WVCEWFK--PQWICNLL 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94304
                                                                                                                                                                                                                                                                        Application US/08484635
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     393 amino acids
                                                                                                                                                                                    Dower, William J. Chang, Ray S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3174 Porter Drive
                                                                                                                                                                                                                      Wrighton, Nicholas C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GenBank
                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       U.S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        single
                                                                                                                                                                                                                                                                                                                                                                                                                                              43.9%; Score 47; DB 3; 47.1%; Pred. No. 16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 393;
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          COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/484,631

FILING DATE: 07-UN-1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 86, Appli
Patent No. 5830851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Wright
APPLICANT: Dower,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/484,635
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,940
FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (415) 543-50 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                     NUMBER OF SERVICE ADDRESS:
CORRESPONDENCE ADDRESS:
Townsend and Townsend and Crew
ADDRESSEE: Townsend ADDRESSEE:
Market Plaza, Steuart Street
                                                                                                                                                                                                                                                                                                APPLICANT: Johnson, Dana
APPLICANT: Mulcahy, Linda
TITLE OF INVENTION: Compounds and Peptides That Bind to the
TITLE OF INVENTION: Erythropoietin Receptor
NUMBER OF SEQUENCES: 259
                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 24 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                    STREET: One Market I
CITY: San Francisco
STATE: California
 APPLICATION NUMBER:
                                                                                                                                                                                      ZIP: 94105-1492
                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: C:
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OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Garrett-Wackowski, REGISTRATION NUMBER: 37,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE:
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Jolliffe, Linda
                                                                                                                                                                                                         USA
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(415) 543-5043
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Wrighton, Nicholas C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IBM PC compatible SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                          Linda K.
US 08/155,940
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Pred. No. 1
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REFERENCE DOCKET NUMBER: 1652
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEPAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 86:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 43.0%; Score 46; DB Best Local Similarity 38.5%; Pred. No. 1.1; Matches 5; Conservative 4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 amino acids
TYPE: amino acid
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REFERENCE/DOCKET NUMBER: 16528A-43-1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-9643
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APPLICANT:
APPLICANT:
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APPLICANT:
APPLICANT:
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 259

CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
                                                                                                                                                                                                                                                   FILING DATE:
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/484,635
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Compounds and Peptides That Bind to
                                                                                                                                                                           APPLICATION NUMBER: US 0E FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 0E FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/827,570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                      NAME: Garrett-Wackowski, Eugenia REGISTRATION NUMBER: 37,330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10 EYVCQWGPDTWLC 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               California
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Jolliffe, Linda K.
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Chang, Ray S.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-NOV-1993
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                                                                                                                          16528A-43-1-1
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MOLECULE TYPE: peptide US-08-827-570-86
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APPLICANT: HAGINARA, Hiroshi
APPLICANT: HAYASHI, Yasuhiro
APPLICANT: HAYASHI, Yasuhiro
APPLICANT: IGARASHI KAZUAKi
APPLICANT: IGARASHI KAZUAKi
APPLICANT: OZAKI, KATUAKi
APPLICANT: OZAKI, KATUAKi
APPLICANT: OZAKI, KATUAKi
APPLICANT: OZAKI, KATUAKi
APPLICANTION NOWER: US/09/465,519
CURRENT APPLICATION NOWER: 10-362487 JAPAN
EARLIER APPLICATION NOWER: 10-362487 JAPAN
EARLIER APPLICATION NOWER: 10-362488 JAPAN
EARLIER APPLICATION NOWER: 10-362488 JAPAN
EARLIER FILING DATE: 1998-12-21
BARLIER FILING DATE: 1998-12-21
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PATENTIN Ver. 2.1
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APPLICANT: KITAYAMA, Kaori
APPLICANT: HAYAGHI, Yasuhiro
APPLICANT: IGARASHI, Kazuaki
APPLICANT: ENDO, Keiji
APPLICANT: OZAKI, Katsuya
TITLE OF INVENTION: NOVEL AMYLASES
FILE REFERENCE: 2173-01189
                                                                                                                                                                                                                                                                                                                                                                        US-09-465-519-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
"htches 6; Conserv
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SEQ ID NO 2
LENGTH: 501
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Patent No. 6403355
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                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                 Sequence 4, Application US/09465519 Patent No. 6403355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/465,519
CURRENT FILING DATE: 1999-12-16
EARLIER APPLICATION NUMBER: 10-362487 JAPAN
EARLIER FILING DATE: 1998-12-21
EARLIER APPLICATION NUMBER: 10-362488 JAPAN
EARLIER FILING DATE: 1998-12-21
NUMBER OF SEQ ID NOS: 7
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38.5%;
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75.0%;
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Pred. No. 1.1;
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Pred. No. 30;
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Best Local Similarity
Matches 7; Conserva
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Best Local Similarity
Thehes 6; Conserv
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US-09-461-474-14
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                                                                                                                                                                            SEQ ID NO 10
                                                                          Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Microsoft Office 97
SEQ ID NO 14
LENGTH: 157
                                                                                                                                                                                                                                                                                                                                                                  Sequence 10, Applion Patent No. 6278042
                                                                                                                                                                                                                                                                                                                                                       GENERAL
                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/461,474
CURRENT FILING DATE: 1999-12-14
EARLIER APPLICATION NUMBER: 60/112,562
EARLIER FILING DATE: 1998-12-16
NUMBER OF SEQ ID NOS: 17
SOFTMARE: Microsoft Office 97
                                                                                                                                                                                                                                                                         APPLICANT: Allen, Steve
APPLICANT: Rafalski, Antoni
APPLICANT: Sakai, Hajime
TITLE OF INVENTION: Plant Metal Transporters
FILE REFERENCE: BB1303 US NA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 14, Application US/09461474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Plant Metal Transporters
FILE REFERENCE: BB1303 US NA
CURRENT APPLICATION NUMBER: US/09/461,474
CURRENT FILING DATE: 1999-12-14
EARLIER APPLICATION NUMBER: 60/112,562
EARLIER FILING DATE: 1998-12-16
NUMBER OF SEQ ID NOS: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Allen, Steve
APPLICANT: Rafalski, Antoni
APPLICANT: Sakai, Hajime
                                                                                                                               LENGTH: 474
TYPE: PRT
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Bacillus sp.
359 WYKPEWKIIDLICTLI 374
                                                                                                                                                                                                                                                                                                                                                    INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              359 WVADWFKP 366
                                                                                                                                                                                                                                                                                                                                                                                                                                                       42 WYKPEWKIIDLICTLI 57
                            6 WFKPQW----ICNLL 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6 WFKPQW----ICNLL 16
                                                         Similarity 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 WVCEWFKP 9
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                                                         Conservative
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                                                                    42.5%;
43.8%;
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75.0%;
                                                      ; Score 45.5; D; Pred. No. 33; 3; Mismatches
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Pred. No. 1
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Pred. No. 30;
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RESULT 14
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US-08-118-270-39
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Patent No. 5508384
GENERAL INFORMATION:
                                                                                                                                                    Sequence 39, Application PC/TUS9308528
GENERAL INFORMATION:
APPLICANT: New York University
TITLE OF INVENTION: POLYPEPTIDES OF
TITLE OF INVENTION: RECEPTORS, AND
NUMBER OF SEQUENCES: 348
                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 09-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/
FILING DATE: 10-SEP-1992
ATTORNEY/AGENT INFORMATION:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: MUITELECOMMUNICATION INFORMATION: TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/118,270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Murphy, Randall B.
APPLICANT: Schuster, David I.
TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS
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                                     COUNTRY: U
                                                                    STATE: D.C.
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                                                                                    CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 326 amino acids TYPE: amino acid
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TELEPHONE: 202-737-3528
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Townsend, Kevin REGISTRATION NUMBER: 3
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D.C.
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                                                       USA
                                                                                                                                           New York University
IVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
IVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
SEQUENCES: 348
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419 Seventh Street, N.W., Suite 300
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                                                                                                      Suite 300
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26;
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US-08-988-876-9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 9, Applicati Patent No. 6063596 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 6; Conserv
COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/988,876

FILING DATE: Herewith

CLASSIFICATION DATA:

APPLICATION NUMBER:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

FILING DATE:

AFTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 9F-0441 US

REFERENCE/DOCKET NUMBER: 9F-0441 US

TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 10-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: TOWNSEND, KEVIN G.
REGISTRATION NUMBER: 34,033
REFERENCE/DOCKET NUMBER: MURP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEPHONE: 202-638-5197
TELEPHONE: 202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PCT/US93/08528
FILING DATE: 09-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/943,236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Lal, Preeti
APPLICANT: Hallman, Olga
APPLICANT: Hillman, Jennifer L.
APPLICANT: Yue, Henry
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTORS ASSOCIATED
TITLE OF INVENTION: WITH IMMUNE RESPONSE
NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                            STREET: 31. CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Ph
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 326 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
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3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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Pred. No. 26;
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Search completed: September 8, 2004, 12:58:31 Job time : 13.2 secs
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                                                                                                        Matches
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                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                              TOPOLOGY: line
IMMEDIATE SOURCE:
                                                                                                  Y Match 42.1%;
Local Similarity 60.0%;
nes 6; Conservative
                                                                                                                                                                      LIBRARY: GenE
CLONE: 49443
                                                                                                                                                                                                                      TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                LENGTH:
                                                    83 WFLPKFLCNL 92
                                                                              6 WFKPQWICNL 15
                                                                                                                                                                                                                                                 342 amino acids
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                                                                                                        Score 45; DB:
Pred. No. 28;
3; Mismatches
                                                                                                          1; Indels
                                                                                                                                 Length 342;
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Result
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Maximum DB
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              1121
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score greater than
and is derived by a
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seq length: 2000000000
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1: /cgn2 6/ptodata/1/pubpaa/US07 PUBCOMB.pep:*

2: /cgn2-6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

3: /cgn2 6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

4: /cgn2-6/ptodata/1/pubpaa/US06 PUBCOMB.pep:*

5: /cgn2-6/ptodata/1/pubpaa/US07 NEW PUB.pep:*

6: /cgn2-6/ptodata/1/pubpaa/US08 NEW PUB.pep:*

7: /cgn2-6/ptodata/1/pubpaa/US08 NEW PUB.pep:*

8: /cgn2-6/ptodata/1/pubpaa/US08 PUBCOMB.pep:*

8: /cgn2-6/ptodata/1/pubpaa/US08 PUBCOMB.pep:*
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Maximum Match 100%
Listing first 45 summaries
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/cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
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/cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10C_NEW_PUB.pep:*
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     US-09-825-517A-114
US-09-825-517A-78
US-09-825-517A-95
US-09-825-517A-137
US-09-825-517A-133
US-09-825-517A-133
US-09-825-517A-117
US-09-825-517A-117
US-09-825-517A-147
US-09-825-517A-144
US-09-825-517A-147
US-09-825-517A-147
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US-09-825-517A-60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                               Description
Sequence 114, App Sequence 78, Appl Sequence 68, Appl Sequence 137, App Sequence 113, App Sequence 113, App Sequence 111, App Sequence 111, App Sequence 117, App Sequence 117, App Sequence 117, App Sequence 117, App Sequence 61, Appl Sequence 61, Appl Sequence 65, Appl Sequence 65, Appl Sequence 65, Appl Sequence 68, Appl
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| 4.4<br>4.5                             | <b>4</b> 2                               | 41              | 40                       | ω<br>Θ          | 37                | 36            | 35              | 34              | 33              | 32          | 31            | 30            | 29              | 28            | 27            | 26            | 25             | 24            | 23            | 22            | 21                | 20           | 19            | 18            | 17                 | 16                |
|--|--|-----------------|--------------------------|-----------------|-------------------|---------------|-----------------|-----------------|-----------------|-------------|---------------|---------------|-----------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|--------------|---------------|---------------|--------------------|-------------------|
| 71<br>71                               | 71<br>71                                 | 71              | 71                       | 71              | 71                | 72            | 72              | 73              | 73              | 73          | 73            | 74            | 74              | 74            | 74            | 74            | 74             | 75            | 75            | 75            | 76                | 76           | 76            | 76            | 77                 | 77                |
| 68.9<br>68.9                           | 68.9                                     |                 |                          |                 |                   |               |                 | •               | •               | •           |               | •             |                 |               |               | •             | •              | •             |               | •             | •                 | •            | •             |               | •                  | •                 |
| 16<br>16                               | 16                                       | 16              | 16                       | 16              | 16                | 16            | 16              | 16              | 16              | 16          | 16            | 16            | 16              | 16            | 16            | 16            | 16             | 16            | 16            | 16            | 16                | 16           | 16            | 16            | 16                 | 16                |
| 11                                     | 11                                       | 11              | 11                       | Н               | 11                | 11            | 11              | 11              | 11              | 11          | 1             | H             | 11              | 11            | 11            | 11            | 11             | 11            | 11            | 11            | 11                | 11           | 11            | 11            | 11                 | 11                |
| -09-825-517A-13<br>-09-825-517A-14     | US-09-825-517A-126<br>US-09-825-517A-127 | -09-825-517A-12 | 25-517A-10<br>25-517A-10 | -09-825-517A-61 | -09-825-51        | -09-825-517A- | -09-825-517A-67 | -09-825-517A-14 | -09-825-517A-13 | 9-825-517A- | -09-825-517A- | -09-825-517A- | -09-825-517A-12 | -09-825-517A- | -09-825-517A- | -09-825-517A- | -09-825-517A-5 | -09-825-517A- | -09-825-517A- | -09-825-517A- | -09-825-517       | 9-825-517A-  | -09-825-517A- | -09-825-517A- | US-09-825-517A-141 | 9-                |
| Sequence 138, App<br>Sequence 142, App | • •                                      | 125,            | Sequence 100, App        | 61,             | Sequence 54, Appl | e 76,         | e 67,           | e 148           | e 133           | e 104       | e 80,         | e 146         | 123             |               | 107           | e 88,         | 59,            |               | 93,           | e 56,         | Sequence 151, App | equence 150, | e 149,        | e 49,         | e 141,             | Sequence 91, Appl |

#### ALIGNMENTS

RESULT 1 US-09-825-517A-114

Sequence 114, Application US/09825517A Publication No. US20030203415A1

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RESULT 2
US-09-825-517A-78
; Sequence 78, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-114
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APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 114
LENGTH: 16
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                   Query Match
Best Local
                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                            1 DWVCEFSKVQWYCNPL 16
                                                                                                                                               1 DWVCEFSKVQWYCNPL
                                                                                                                                                                                                                                16; Conservative
                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                 100.0%;
                                                                                                                                               16
                                                                                                                                                                                                                                0;
                                                                                                                                                                                                                              Score 103; DB 11;
Pred. No. 1.2e-07;
Mismatches 0;
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                                                                                                                                                                                                                                                                     Length 16;
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; FEATURE:
; OTHER INFORMATION: CEA binding polypeptide
US-09-825-517A-68
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                                                                                                                                                    Sequence 95, Application US/09825517A
Publication No. US20030203415A1
                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 68, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 68
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
          APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
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CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
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CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
CURRENT FILING DATE:
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APPLICANT: Ladner, Robert C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH:
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                                                                                                                                                                                                                                                                                                                                                           l Similarity
12; Conserv
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                                                                                                                                                                                                                                                                                                                                                             Conservative
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Pred. No. 9
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Pred. No. 2e-05;
                                                                                                                                                                                                                                                                                                                                                             Mismatches
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                                                                                                                                                                                                                                                                                                                                                                              DB 11;
9.9e-05;
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US-09-825-517A-113
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US-09-825-517A-137
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SEQ ID NO 113
LENGTH: 16
TYPE: PRT
                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                        Sequence 113, Application US/09825517A Publication No. US20030203415A1
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LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
                                                     APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
FRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
                                                                                                                                                                                                                                  APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Rondon, Issac J APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: CEA binding polypeptide
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12; Conserv
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75.0%;
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81.2%;
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Pred. No.
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; OTHER INFORMATION: US-09-825-517A-75
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US-09-825-517A-135
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                                                                                                                                     NUMBER OF SEQ ID NOS: 151
SOFTWARE: FRSTSEQ for Windows Version 4.0
SEQ ID NO 75
LENGTH: 16
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                    Query Match
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Publication No. US20030203415A1
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APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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Best Local S
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                                                                                               TYPE: PRT
ORGANISM: Artificial
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US/09/541,345
PRIOR PILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
                                                                                        FEATURE:
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APPLICANT: Ladner, Robert
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ORGANISM: Artificial Sequence
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     Local Similarity
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75.0%;
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75.0%;
Score 78; DB 11;
Pred. No. 0.00036;
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Pred. No. 0.00026;
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Pred. No. 0.00026;
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           Length 16;
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US-09-825-517A-117
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US-09-825-517A-117
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                                                                    Matches
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Best Local
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                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
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                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/09/825,517A CURRENT FILING DATE: 2003-03-24
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APPLICANT: Ladner, Robert
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                                                                                                                                    OTHER INFORMATION: Synthetic 16-mer microprotein analogue
                                                                                                                                                                          TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                  FEATURE:
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
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PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
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APPLICANT: Ladner, Robert
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                                                                                Local Similarity
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12; Conserv
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DWVCEWGKNQWTCNPL 16
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o. US20030203415A1
                                                               Conservative
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                                                                            75.7%;
75.0%;
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75.0%;
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                                                       Score 78; DB LL; Pred. No. 0.00036;
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Pred. No. 0.00036;
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                                                                                      Length 16;
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US-09-825-517A-144
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US-09-825-517A-147
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                                                                                          US-09-825-517A-60
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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APPLICANT: Ladner, Robert
                                 Sequence 60, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Ladner, ROBERT C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
FILE REPERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FASTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 147
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                                                                                                                                                                                                                                                   Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                         ENGTH: 16
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                                                                                                                                                                                                                                                 Local Similarity
nes 12; Conserv
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                                                                                                                                                                                                           DWVCEFSKVQWYCNPL 16
                                                                                                                                                                              DWVCEFIKSQWFCNVL 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Issac J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          75.7%;
75.0%;
                                                                                                                                                                                                                                                                       75.7%;
75.0%;
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Pred. No.
                                                                                                                                                                                                                                                                            Pred. No.
                                                                                                                                                                                                                                                                                            Score 78;
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FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Rondon, Issac J
APPLICANT: Laduer, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
TITLE OF INVENTION: ANTIGEN (CEA)
TILE OF INVENTION UNMBER: US/09/825,517A
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOPTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 65
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                                                                                                                                                                                                                                                          RESULT 15
US-09-825-517A-86
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 65, Application US/09825517A
Publication No. US20030203415A1
                                                                                                                                                                                      Sequence 86, Application US/09825517A
Publication No. US20030203415A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
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TYPE: PRT
ORGANISM: Artificial Sequence
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APPLICANT: RONGON, ISSAC J
APPLICANT: Ladner, Robert C
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
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es 12; Conserv
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12; Conserv
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Pred. No. 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
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Pred. No. 0.0005;
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; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 86
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CEA binding polypeptide
US-09-825-517A-86

Query Match
Best Local Similarity 75.0%; Pred. No. 0.0005;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 DWVCEFSKVQWYCNPL 16
Db 1 DWVCEFFKKQWFCNLL 16

Search completed: September 8, 2004, 14:25:05

Job time: 44.3 secs
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Database :
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 2000000000
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Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Run on:
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Issued_Patents_AA:*

1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*
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Gapop 10.0 , Gapext 0.5
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103
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Copyright (c) 1993 - 2004 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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|------------|--------------|-------------------|--------------|---------------|---------------|----------|-------------|--------------|-----|--------------|---------------|---------------|---------------|----------------|-----------|-----------------|-------------|-------|---------------|----------------|------------------|-------------|------------|------------|-----------------|-----------------|-------------------|------------------|
| i.         | , <i>c</i>   | 7.                | 44           | 44            | 44            | 44       | 44          |              | 44  | 44.5         |               | 45            | 45            | 45             | 40        | 46              | 46          | 46    |               |                | 46               | 46          | 46         | 46         | .48             | . 4.            | 48                | Score            |
|            | ٠.           | ٠                 | Ų            | N             |               |          |             | 42.7         | Ν.  |              | 43.7          | ·             | 43.7          | 'n             | 44.7      |                 |             | 44.7  | 4.            | 44.7           | 4                | 4.          | 44.7       | 44.7       | 6               | 46.6            | 46.6              | Query<br>Match 1 |
| 2          | ) (          | ) i               | ا ر<br>ا ر   | 23            | 23            | 20       | 20          | 20           | 20  | 387          | 20            | 20            | 20            | 20             | 21        | 21              | 20          | 20    | 20            | 20             | 20               | 20          | 20         | 20         | 22              | 22              | 22                | Length           |
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| 8-484-13   | -US-484-135- | -00-02/-5/0-5     | 00 303 004 0 | -08-484-631-5 | -08-484-635-5 | 27-570-4 | 8-484-631-4 | -08-484-635- | 5-7 | -09-638-937- | -08-827-570-3 | -08-484-631-3 | -08-484-635-3 | -08-484-135-6  | 51A-      | -09-337-227C-27 | -428-082B-1 | -082B | -08-905-310-4 | -570-1         | US-08-484-631-10 | 8-484-635-1 | -08-484-13 | 0          | -08-827-570-18  | -08-484-63      | æ                 | ID               |
| equence 11 | equence 9,   | Sequence 56, Appl | ednerice 26  | odionice no   | л ,           | 40,      | 40          | 4            | 78  | וש           | מ מ           | ים<br>ער      | eguence 37    | equence 62 App | e 27. Apr | 27              | 100         | 90.   | 0 I           | P<br>-1<br>O . | י ס              | equence 10. | equence 76 | empence 10 | equence 181. An | equence 181, Ap | Sequence 181. App | H                |

| 43 41.7 20 1 US-08-484-135-45 43 41.7 20 1 US-08-484-135-87 43 41.7 20 1 US-08-484-635-9 43 41.7 20 1 US-08-484-635-11 43 41.7 20 1 US-08-484-635-31 43 41.7 20 1 US-08-484-635-31 43 41.7 20 2 US-08-484-631-13 43 41.7 20 2 US-08-484-631-31 43 41.7 20 2 US-08-484-631-31 43 41.7 20 2 US-08-827-570-9 43 41.7 20 2 US-08-827-570-9 43 41.7 20 2 US-08-827-570-31 43 41.7 20 2 US-08-827-570-31 43 41.7 20 3 US-08-927-570-31 43 41.7 20 3 US-08-927-570-34 43 41.7 20 3 US-08-925-310-5 43 41.7 20 3 US-08-925-310-5 43 41.7 20 4 US-09-428-0828-1026 |
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| US-08-484-635-9 US-08-484-635-9 US-08-484-635-34 US-08-484-635-34 US-08-484-631-11 US-08-484-631-11 US-08-484-631-11 US-08-827-570-9 US-08-827-570-34 US-08-905-310-5 US-09-428-0828-1026 US-09-428-0828-1026 US-09-428-0828-1026   |
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# ALIGNMENTS

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|---------------------------|---|---|----------|
| . 8 00 M                  | BLE FORM:  Floppy disk  Floppy disk  BM PC compatible  STEM: PC-DOS/MS-I  STEM: PC-DOS/MS-I  RatentIn Release #1  ANTION DATA:  NUMBER: US/08/484  TON DATA:  NUMBER: US 08/155  INFORMATION:  I-NOV-1993  INFORMATION:  IT-WACKOWSki, Euge | 81, Application US/084 5773569 5773569 NT: Wrighton, Nichola NT: Wrighton, Nichola NT: Wrighton, Nichola NT: Chang, Ray S. NT: Kashyap, Arun K. NT: Kashyap, Arun K. NT: Johnson, Dana NT: Mulcahy, Linda & NT: Johnson, Dana FINVENTION: Compound FINVENTION: Erythrop OF SEQUENCES: 259 ONDENCE ADDRESS: SSEE: Townsend and To SSEE: Townsend and | RESULT 1 |
| 30<br>16528A-43-1-1<br>N: | Version #1.<br>5  | t84635 ts C. c. s and Peptides That orietin Receptor wnsend and Crew Stewart Street Tower   |          |
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Best Local
                                                                                                                                                                              Query Match 46.6%;
Best Local Similarity 42.9%;
Matches 6; Conservative
          Sequence 181, Application US/08827570 Patent No. 5986047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 543-50
INFORMATION FOR SEQ ID NO:
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 94105-1492
ZIP: 94105-1492
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
THE //R/4RA.631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Johnson, Dana
APPLICANT: Mulcahy, Linda
TITLE OF INVENTION: Compounds and Peptides That Bind to the
TITLE OF INVENTION: Erythropoietin Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                TOPOLOGY: li
                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 543-9600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Garrett-Wackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 16528A-43-1-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/155,940 FILING DATE: 19-NOV-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 07
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/484,631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET:
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                                                                                                                                                WVCEFSKVQWYCNP 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E: Townsend and Townsend and Crew
One Market Plaza, Steuart Street Tower
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Jolliffe, Linda K.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                                (415) 543-5043
                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                               peptide
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Pred. No. 0.97;
                                                                                                                                                                                   2;
                                                                                                                                                                                                  Score 48; DB 2;
Pred. No. 0.97;
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COMPUTER READABLE FORM:

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                                                                                                                                                                                                                       US-08-484-135-10
                                                                                                                                                                  Sequence 10, Application US/08484135 Patent No. 5767078 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (415) 543-9600
TELEPAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 181
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/827,570
PILING DATE:
CTARCOTTATA
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APPLICANT:
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APPLICANT:
APPLICANT:
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MEDIUM TYPE: Floppy disk
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ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Garrett-Wackowski, Eugenia REGISTRATION NUMBER: 37,330 REFERENCE/DOCKET NUMBER: 16528A-4 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Compounds and Peptides That Bind to the TITLE OF INVENTION: Erythropoietin Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
                                                                                                        APPLICANT: Johnson, Dana L
APPLICANT: Zivin, Robert A
TITLE OF INVENTION: AGONIST PEPTIDE DIMERS
NUMBER OF SEQUENCES: 93
                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: UFILING DATE: 07-JUN-1APPLICATION NUMBER: U
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                      ADDRESSEE: Frank S. DiGiglio STREET: 400 Garden City Plaza CITY: Garden City
                                                                                                                                                                                                                                                                                                                                              Local Similarity es 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
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         COUNTRY:
                          STATE:
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11530
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                          New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22 amino acids
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Johnson, Dana
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           U.S.A..
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Pred. No. 0.97;
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; MOLECULE TYPE: US-08-484-135-76
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 76, Application US/08484135 Patent No. 5767078
                                                                                                              REGISTRATION NUMBER: 9594
REFERENCE/DOCKET NUMBER: 9594
TELECOMMUNICATION IMPORMATION:
TELEPHONE: (516) 742-4343
TELEPAX: (516) 742-4366
TELEPAX: (516) 742-6366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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                                                                                         TELEFAX: (516) 742-430
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Johnson, Dana L
APPLICANT: Zivin, Robert A
TITLE OF INVENTION: AGONIST PEPTIDE DIMERS
NUMBER OF SEQUENCES: 93
                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                        LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                 CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 9594
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
NFORMATION FOR SEQ ID NO: 10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
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NAME: DiGiglio, Frank S
REGISTRATION NUMBER: 31,346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/484,135
FILING DATE: 07-UN-1995
CLASSIFICATION: 514
                                                                                                                                                                                                               NAME: DiGiglio, Frank S
REGISTRATION NUMBER: 31,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 400 Garder CITY: Garden City
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity hes 5; Conserv
                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: FILING DATE: 07-JU
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OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      E: Frank S. DiGiglio
                                                                                                                                                                                                                                                                                                                                                                                                                                                     U.S.A.
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             peptide
                                                                                                                                                                                                                                                                                   07-JUN-1995
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                                                                                                                           ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-484-635-10
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US-08-484-635-10
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                                                               Matches
                                                                                             Query Match
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                                                                                                                                                                                                                       TELEFAX: (415) 543-5043 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 16
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                     FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Wackowski,
REGISTRATION NUMBER: 37,3
                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Compounds and Peptides That Bind TITLE OF INVENTION: Erythropoietin Receptor NUMBER OF SEQUENCES: 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Jolliffe, Linda K. APPLICANT: Johnson, Dana APPLICANT: Mulcahy, Linda APPLICANT: Mulcahy, Linda
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                                                                                                                                                                         STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: San Francisco
                                                             Local Similarity es 5; Conserv
                                                                                                                                                                                         TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/0 FILING DATE: 07-JUN-1995
                                                                                                                                                                                                        LENGTH:
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3 NYMCHFGPITWVCRP
                              1 DWVCEFSKVQWYCNP 15
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5; Conserv
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                                                             Conservative
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                                                                           44.7%; Score 46; DB 1; 33.3%; Pred. No. 1.7;
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33.3%;
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Pred. No. 1.7;
4; Mismatches
                                                          Mismatches
                                                                                          Length 20;
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; Sequence 10, Application US/08484631
; Patent No. 5830851

RESULT 7 US-08-484-631-10 0,

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US-08-827-570-10
                                                                                                                                                                                          Sequence 10, Application US/03827570
Patent No. 5986047
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wrighton, Nicholas C.
APPLICANT: Dower, William J.
APPLICANT: Chang, Ray S.
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FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,940
APPLICATION NUMBER: US 08/155,940
FILING DATE: 19-NOV-1993
ATTORNEY/ACENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 16:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
                           APPLICANT: Jolliffe, Linda K.
APPLICANT: Johnson, Dana
APPLICANT: Mulcahy, Linda
TITLE OF INVENTION: Compounds and Peptides That Bind to the
TITLE OF INVENTION: Erythropoietin Receptor
NUMBER OF SEQUENCES: 259
CORRESPONDENCE ADDRESS:
ANDRESCORE "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Compounds and Peptides That Bind to TITLE OF INVENTION: Erythropoietin Receptor NUMBER OF SEQUENCES: 259 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Garrett-Wackowski, Eugenia REGISTRATION NUMBER: 37,330
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 20 amino acids
                      ADDRESSEE:
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One Market Plaza, Steuart Street
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E: Townsend and Townsend and Crew
One Market Plaza, Steuart Street
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Jolliffe, Linda
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; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-827-570-10
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US-08-905-310-4
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SEQ ID NO 4
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4, Application US/08905310 Patent No. 6077939
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                                   Query Match 44.7%; Score 46; DB 3; Length 20 Best Local Similarity 33.3%; Pred. No. 1.7; Matches 5; Conservative 4; Mismatches 6; Indels
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INFORMATION FOR SEQ ID NO.
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Garrett-Wackowski, Euge
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 1652
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Polypeptides Having a Single Covalently Bound TITLE OF INVENTION: N-Terminal Water-Soluble Polymer, and Related Methods, TITLE OF INVENTION: Compositions and Kits FILE REFERENCE: SEQUENCE LISTING ORT 843 CURRENT APPLICATION NUMBER: US/08/905,310 CURRENT FILING DATE: 1997-08-01 NUMBER OF SEQ ID NOS: 12
                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Wei, Ziping
APPLICANT: Menon-Rudolph, Sunitha
APPLICANT: Ghosh-Dastidar, Pradip
                                                                                                                                     OTHER INFORMATION: Description of Unknown Organism:peptide fragment
                                                                                                                                                       ORGANISM: Unknown FEATURE:
                                                                                                                                                                                             TYPE: PRT
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APPLICATION NUMBER: US 08/484,635
FILING DATE: 07-JUN-1995
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
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ATTORNEY/AGENT INFORMATION:
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5; Conservation
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RESULT 12
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                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 1999-10-23
PRIOR APPLICATION NUMBER: 60/105,371
PRIOR FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 1133
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1029
LENGTON . . . .
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APPLICANT: FEIGE, ULRICH
APPLICANT: LIU, CHUAN-FA
APPLICANT: CHEETHAM, JANET C.
APPLICANT: BOONE, THOMAS CHAR
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PRIOR FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 1133
SOFTWARE: Patentin version 3.1
SEQ ID NO 90
LENGTH: 20
                                                                                                                                                          Query Match
Best Local Similarity
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TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
FILE REFERENCE: A-527
CURRENT APPLICATION NUMBER: US/09/428,082B
CURRENT FILING DATE: 1999-10-22
CURRENT FILING DATE: 1999-10-22
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APPLICANT: LIU, CHUAN-FA
APPLICANT: CHEETHAM, JANET C.
APPLICANT: BOONE, THOMAS CHARLES
TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
FILE REFERENCE: A-527
CURRENT APPLICATION NUMBER: US/09/428,082B
CURRENT FILING DATE: 1999-10-22
                                                                                                                                                                                                                             FEATURE: OTHER INFORMATION: EPO-MIMETIC PEPTIDE
                                                                                                                                                                                                                                                                LENGTH: 20
TYPE: PRT
ORGANISM: Artificial Sequence
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Pred. No.
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APPLICANT: Robinson, Iain C.A.F.

APPLICANT: Skelton, Nicholas J.

FILE REFERENCE: P1071P2.rev

CURRENT APPLICATION NUMBER: US/09/337,227C

CURRENT FILING DATE: 1999-06-22

PRIOR APPLICATION NUMBER: US 09/052,888

PRIOR FILING DATE: 1998-03-31

PRIOR FILING DATE: 1998-03-31

PRIOR FILING DATE: 1997-04-04

NUMBER: US 08/825,852

PRIOR FILING DATE: 1997-04-04

NUMBER: OF SEQ ID NOS: 51

SEQ ID NO 27

LENGTH: 21

TYPE: PRT

ORGANISM: Artificial sequence
                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/723,251A
CURRENT FILLING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: US 09/337,227
PRIOR FILING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: US 08/825,852
PRIOR FILING DATE: 1997-04-04
NUMBER OF SEQ ID NOS: 51
SEQ ID NO 27
LENGTH: 21
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                                                                                                        ; OTHER INFORMATION: Sequence is synthesized ; Patent No. 6608028 US-09-723-251A-27
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; OTHER INFORMATION: Sequence is synthesized
; Patent No. 6420518
US-09-337-227C-27
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US-09-723-251A-27
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APPLICANT: Chen, Yvonne May-Yee
APPLICANT: Clark, Ross G.
APPLICANT: Cochran, Andrea G.
APPLICANT: Lowman, Henry B.
                                   Matches
                                                                    Query Match
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Best Local Similarity
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Cochran, Andrea G.
APPLICANT: Lowman, Henry B.
APPLICANT: Robinson, Tain C.A.F.
APPLICANT: Skelton, Nicholas J.
TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR AGONIST MOLECULES
FILE REFERENCE: P1071P2C1.2Rev
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                                                                                                                                                                        TYPE: PRT ORGANISM: Artificial sequence
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                                                     Local
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                                  Conservative
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50.0%;
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Pred. No. 1.8;
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Pred. No. 1.8;
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RESULT 14 US-08-484-135-62

Sequence 62, Application US/08484135 Patent No. 5767078

GENERAL INFORMATION:
APPLICANT: Johnson, Dana L
APPLICANT: Zivin, Robert A

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-484-135-62
                                                                                                                                                                                                                                                                                                                                                            US-08-484-635-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/484,135
FILING DATE: 07-UN-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: DiGiglio, Frank S
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 9594
TELEPHONE: (516) 742-4343
                                                                                                                                                                                                                                                                                                                          Sequence 37, Application US/08484635 Patent No. 5773569
                                                                                                                                                                                                                                                                                                                         Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
INFORMATION FOR SEQ ID NO: 62:
                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                            APPLICANT: Mulcahy, Linda
TITLE OF INVENTION: Compounds and Peptides That Bind to the
TITLE OF INVENTION: Erythropoietin Receptor
NUMBER OF SEQUENCES: 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: AGONIST PEPTIDE DIMERS NUMBER OF SEQUENCES: 93
                                                                                                     NUMBER OF SEQUENCES: 2: CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: U
ZIP: 11530
                                                                   STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE:
                                                    CITY: San Francisco
                COUNTRY:
                                                                                    ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Garden City
: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity 6; Conserv
94105-1492
                                                                                                                                                                                                                                                                                                                                                                                                                                  DYNCREGPLTWVCKP 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DWVCEFSKVOWYCNP 15
                               California
                                                                                                                                                                      : Kashyap, Arun K.
: Jolliffe, Linda K.
: Johnson, Dana
: Molcahy, Linda
                                                                   E: Townsend and Townsend and Crew One Market Plaza, Steuart Street Tower
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E: Frank S. DiGiglio
400 Garden City Plaza
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               U.S.A.
                                                                                                                                                                                                                                               Wrighton, Nicholas C. Dower, William J. Chang, Ray S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       43.7%; ilarity 40.0%; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2;
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Search completed: September 8, 2004, 12:58:30 Job time : 12.2 secs
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                                                                                                                                                   Matches
                                                                                                                                                                    Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (415) 543-96
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                  NAME: Garrett-Wackowski, Eugenia REGISTRATION NUMBER: 37,330 REFERENCE/DOCKET NUMBER: 16528A-43-1-1 TELECOMMUNICATION INFORMATION: (115) 543-9600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,940
FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/484,635
FILING DATE: 07-UN-1995
CLASSIFICATION: 514
CLASSIFICATION: 514
                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                              TYPE: amino acid
                                                                                                              1 DWVCEFSKVQWYCNP 15
                                                                                                                                             43.7%;
Similarity 40.0%;
6; Conservation
                                                                          3 DYNCRÉGPLIWVCKP 17
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                                                                                                                                                   2;
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Pred. No. 2.4;
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Result
No.
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Maximum Match 100%
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Maximum DB
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                                                                                                                                                                                                                                                                                 Score
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979
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seq length: 2000000000
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                                                                                                                                                                                                                                                                               Match Length
                                                                                                                                                                                                                                                                                                                                                                     is the number of results predicted by chance to have a ster than or equal to the score of the result being printed,
               100.0
90.1
83.2
82.2
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81.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1298764 seqs, 315065143 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Published_Applications_AA:*
1: /cgn2_6/ptodata/1/pubpaa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gapop 10.0 , Gapext 0.
                                                                                                                                                                                                                                                                                                                                                                                                                     '(gn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
'(gn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
'(gn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
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                                                                                                                                                                                                                                                                                                                                                              than or equal to the score
1 by analysis of the total
             DB
        US-09-825-517A-113
US-09-825-517A-149
US-09-825-517A-78
US-09-825-517A-117
US-09-825-517A-117
US-09-825-517A-105
US-09-825-517A-105
US-09-825-517A-167
US-09-825-517A-67
US-09-825-517A-67
US-09-825-517A-67
US-09-825-517A-76
US-09-825-517A-714
US-09-825-517A-714
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                                                                                                                                                                                                                                                                                                                                                            score distribution
Sequence 113, App
Sequence 95, Appl
Sequence 149, Appl
Sequence 17, Appl
Sequence 117, Appl
Sequence 117, Appl
Sequence 105, Appl
Sequence 147, Appl
Sequence 68, Appl
Sequence 68, Appl
Sequence 67, Appl
Sequence 67, Appl
Sequence 76, Appl
Sequence 80, Appl
Sequence 80, Appl
Sequence 114, Appl
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US-09-825-517A-113

Sequence 113, Application No. US200 GENERAL INFORMATION:

Application US/09825517A

US20030203415A1

APPLICANT: Rondon, Issac J APPLICANT: Ladner, Robert

| . 4 <u>.</u><br>U                      | 44              | 4.2             | 41              | 40              | <b>W</b>        | 88              | 37             | 36              | 35              | 34              | j.              | ) (L    | μ              | 6               | 29        | 28             | 27              | 26              | K.      | 24              | 23              | 22              | 21             | 20       | 1         | , a      |                   | 16            |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|---------|----------------|-----------------|-----------|----------------|-----------------|-----------------|---------|-----------------|-----------------|-----------------|----------------|----------|-----------|----------|-------------------|---------------|
| 72                                     | 73              | 73              | 74              | 74              | 74              | 74              | 74             | 74              | 75              | 75              | 75              | 75      | 75             | 75              | 76        | 76             | 76              | 76              | 76      | 76              | 76              | 77              | 77             | 77       | 77        | λ α      | 7 8               | 79            |
|  | 72.3            |                 |                 |                 |                 |                 |                |                 |                 |                 | •               | 74.3    | •              |                 | •         | •              | •               |                 |         | 75.2            |                 |                 |                |          |           |          | 7                 | 78.2          |
| 16                                     |                 |                 |                 |                 |                 |                 |                |                 |                 |                 |                 |         |                |                 |           |                |                 |                 |         |                 |                 |                 |                |          |           |          |                   |               |
| 11                                     | ע <b>נ</b>      | 11              | 11              | 11              | 11              | 11              | 11             | 11              | 11              | 11              | 11              | 11      | 11             | 11              | 11        | 11             | 11              | 11              | 11      | 11              | 井               | 11              | 11             | 11       | 11        | 11       | 11                | 11            |
| US-09-825-51/A-133                     | -09-825-517A-13 | -09-825-517A-75 | -09-825-517A-14 | -09-825-517A-14 | -09-825-517A-14 | -09-825-517A-12 | -09-825-517A-1 | -09-825-517A-65 | -09-825-517A-14 | -09-825-517A-12 | -09-825-517A-11 | -517A-1 | -09-825-517A-1 | -09-825-517A-88 | 5-517A-14 | -09-825-517A-1 | -09-825-517A-13 | -09-825-517A-13 | -517A-1 | -09-825-517A-11 | -09-825-517A-54 | -09-825-517A-15 | -09-825-517A-1 | 5-517A-1 | 25-517A-4 | 25-517A- | US-09-825-517A-59 | -09-825-517A- |
| Sequence 133, App<br>Sequence 86, Appl | equence 130     | equence 75,     | e 148           | equence 144     | equence 141     | equence 126     | equence 109    | 22.5            | 140             | 100             | ים<br>ים<br>ים  | e 112   | 107            | 9 10            | 141       | 142            | ינו             | 6 137           | 107     | 11.             | л (<br>л (      | 7 7 7 7         | 1 20           | e ,      | Ф<br>49   | e 91.    | equence 59,       | 46            |

## ALIGNMENTS

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RESULT 2
US-09-825-517A-95
Sequence 95, Application US/09825517A
; Publication No. US20030203415A1
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                                                                                                                                                                                                          Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT ELILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US/09/841,345
PRIOR FILLING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 113
LEMCTH-1 16
                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                            OTHER INFORMATION: Synthetic 16-mer microprotein analogue
                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                          16;
                                                                                                                                        1 DWVCEYVKSQWSCNPL 16
                                                                                                                ⊣
                                                                                                                                                                                                            Similarity
                                                                                                              DWVCEYVKSQWSCNPL 16
                                                                                                                                                                                        Conservative
                                                                                                                                                                                  100.0%; Score 101; DB 11; 100.0%; Pred. No. 7.5e-08; tive 0; Mismatches 0;
                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                          16;
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APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
ITILE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
ITILE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 95
SEQ ID NO 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 3
US-09-825-517A-149
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                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-149
                                                                                                                                                                                                  US-09-825-517A-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 149, Application US/09825517A Publication No. US20030203415A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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                                                                                                                                                    Sequence 78, Application US/09825517A
Publication No. US20030203415A1
                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 09/541,345 PRIOR FILING DATE: 2000-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Rondon, Issac J
            APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
                                                                                               APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: CEA binding polypeptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 16
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                                                                                                                                                                                                                                                                                                                                                             Local Similarity les 13; Conserv
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81.2%;
                                                                                                                                                                                                                                                                                                                                                                                    83.2%;
2003-03-24
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                                                                                                                                                                                                                                                                                                                                                                                      Score 84; DB 11;
Pred. No. 2.2e-05;
                                                                                                                                                                                                                                                                                                                                                                     Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 117
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 117, Application US/09825517A
Publication No. US20030203415A1
GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
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Matches
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ITITLE OF INVENTION: BUNDING PEPTIDES FOR CARCINOEMBRYONIC

TITLE OF INVENTION: ANTIGEN (CEA)

FILE REFERENCE: DYX-016.1 (3421.1005-001)

CURRENT APPLICATION NUMBER: US/09/825,517A

CURRENT FILING DATE: 2003-03-24

PRICE ATTACTOR
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PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
                                                                                                                                                                                                                                                       Sequence 93, Application US/098 Publication No. US20030203415A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
             SEQ ID NO 93
LENGTH: 16
                                              APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR PETING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
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APPLICANT: Ladner, Robert
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TYPE: PRT
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mes 12; Conserv
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12; Conserv
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Pred. No.
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Pred. No. 3e-05;
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; OTHER INFORMATION: CEA
US-09-825-517A-82
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US-09-825-517A-105
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                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 82
LENCTH: 16
TYPE: PRT
     Best Local Similarity
                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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Publication No. US20030203415A1
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Best Local Similarity
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                                                                                                                                                                                                                                                           APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXY-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION DATE: 2003-03-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 81.2%; Score 82; I
Best Local Similarity 75.0%; Pred. No. 4.
Matches 12; Conservative 1; Mismatche
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APPLICANT: Ladner, Robert
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER: OF SEQ ID NOS: 151
                                                                                                 ORGANISM: Artificial Sequence FEATURE:
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APPLICANT: Ladner, Robert
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5._US20030203415A1
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   80.2%;
81.2%;
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81.2%; Pred. No.
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Score 81; DB 11;
Pred. No. 5.9e-05;
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               Length 16;
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                                                                                                                                       ; OTHER INFORMATION: CEA binding polypeptide US-09-825-517A-68
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US-09-825-517A-68
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SEQ ID NO 68
LENGTH: 16
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                                                                      Matches
                                                                                      Query Match
Best Local
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APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
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Publication No. US20030203415A1
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR PILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
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SEQ ID NO 147
LENGTH: 16
TYPE: PRT
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PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: PRIOR NOS: 151
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                                                                                                                                                                      TYPE: PRT ORGANISM: Artificial Sequence FEATURE:
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
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APPLICANT: Ladner, Robert
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence FEATURE:
                                                                                   Local Similarity
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                                DWVCEYVKSQWSCNPL 16
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DWVCEWFKPQWFCNPL 16
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                                                                   Conservative
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                                                                               79.2%;
75.0%;
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                                                            Score 80; DB LL;
Pred. No. 8.2e-05;
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Pred. No.
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APPLICANT: LANDREY ROBERT C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEO ID NOS: 151
SOPTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 60
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US-09-825-517A-60
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US-09-825-517A-67
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                                                                                                       US-09-825-517A-76
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Publication No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOPTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 67
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APPLICANT: Ladner, Robert
                                       GENERAL INFORMATION:
                                                           Sequence 76, Application US/09825517A Publication No. US20030203415A1
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Best Local 9
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APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
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ORGANISM: Artificial Sequence
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
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Local Similarity 75.0%;
hes 12; Conservative :
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12; Conserv
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Pred. No. 0.00011
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FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: PASTSEQ for Windows Version 4.0
SEQ ID NO 76
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US-09-825-517A-114
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Best Local Similarity 75.0%;
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APPLICANT: Ladner, Robert C
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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APPLICANT: RONDON, ISBAC J
APPLICANT: Ladner, Robert C
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
FILE REFERENCE: DYX-016
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SOFTWARE: FastSEQ for Windows Version 4.0
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ORGANISM: Artificial Sequence
FEATURE:
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Pred. No. 0.00011;
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Pred. No. 0.00011;
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NUMBER OF SEQ ID NOS: 151
SEQ ID NO 114
LENGTH: 16
LENGTH: 16
CROANISM: Artificial Sequence
PEATURE:
PEATURE:
COTHER INFORMATION: Synthetic 16-mer microprotein analogue
US-09-825-517A-114

Query Match
Best Local Similarity 75.0%; Pred. No. 0.00011;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps O;

Oy 1 DWVCEYVKSQWSCNPL 16
Db 1 DWVCEFYKVQWYCNPL 16
Search completed: September 8, 2004, 14:25:05
Job time: 44.3 secs
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US-09-825-517A-86
US-09-825-517A-124
US-09-825-517A-39
US-09-825-517A-53
US-09-825-517A-62
US-09-825-517A-73
US-09-825-517A-120
US-09-825-517A-145
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Perfect score:
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Maximum Match
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/cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB_pep:*
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/cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
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113.793 Million cell updates/sec
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Sequence 109, Appl
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Sequence 139, Appl
Sequence 81, Appl
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Sequence 75, Appl
Sequence 129, Appl
Sequence 131, App
Sequence 130, Appl
Sequence 130, Appl
Sequence 147, Appl
Sequence 47, Appl
Sequence 47, Appl
Sequence 47, Appl
Sequence 47, Appl
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ALIGNMENTS

| QY 1 DWVCEYFKNQWFCDTL 16  Db 1 DWVCEYFKNQWFCDTL 16  RESULT 2 US-09-825-517A-59 ; Sequence 59, Application US/09825517A ; Publication No. US20030203415A1 ; GENERAL INFORMATION. | Query Match 100.0%; Score 105; DB 11; Length 16; Best Local Similarity 100.0%; Pred. No. 3.9e-08; Matches 16; Conservative 0; Mismatches 0; Indels 0; | ; ORGANISM: Artificial Sequence<br>; FEATURE:<br>; OTHER INFORMATION: Synthetic 16-mer microprotein analogue<br>US-09-825-517A-109 | ; SEQ ID NO 109<br>; LENGTH: 16<br>; TYPE: PRT | ; PRIOR FILING DATE: 2000-04-03<br>; NUMBER OF SEQ ID NOS: 151<br>; SOFTWARE: FastSEQ for Windows Version 4.0 | CURRENT APPLICATION NUMBER: US/09/825,517A; CURRENT FILLING DATE: 2003-03-24; PRIOR APPLICATION NUMBER: US 09/541,345 | APPLICANT: Rondon, Issac J  APPLICANT: Ladner, Robert C  TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC  TITLE OF INVENTION: ANTIGEN (CEA) | RESULT 1 US-09-825-517A-109 US-09-825-517A-109 Sequence 109, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION: |
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|   | Gaps  |  |  |   |   |   |  |

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US-09-825-517A-83
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SOFTWARE: FRASTSEQ for Windows Version 4.0
SEQ ID NO 59
LENGTH: 16
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LENGTH: 16
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                                                                      Sequence 77, Application US/09825517A
Publication No. US20030203415A1
GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
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Best Local Similarity
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PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
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CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXY-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
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Pred. No. 1e-06;
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Pred. No. 2.6e-06;
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OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-139
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US-09-825-517A-139
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US-09-825-517A-52
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LENGTH: 16
TYPE: PRT
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            NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 52
LENGTH: 16
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PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
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PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
                                                                                    TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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APPLICANT: Ladner, Robert
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ORGANISM: Artificial Sequence
FEATURE:
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TYPE: PRT
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13; Conserv
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Pred. No. 9.
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; OTHER INFORMATION: US-09-825-517A-42
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US-09-825-517A-81
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 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                    Sequence 42, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
                                                                                                                                                  SEQ ID NO 42
                                                                                                                                                                                       PILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF CEO.
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Best Local
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APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
                                                                                                                                                                NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
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                                                                                                                                    LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: CEA binding polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Artificial Sequence
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                                                             CEA binding polypeptide
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81.2%;
81.0%;
75.0%;
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Pred. No. 1.3e-05;
Score 85; DB 11;
Pred. No. 2.6e-05;
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Pred. No.
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             16;
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                                                                                                                                     ; OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-129
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US-09-825-517A-129
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Best Local S
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LENGTH: 16
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                                                                                                                                                                                                                                                                                     APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMERYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR ETLING DATE: 2000-04-03
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SOFTWARE: FastSEQ for Windows Version 4.0
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CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
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APPLICANT: Ladner, Robert
                                                                                                                                                                   TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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DWVCNLFKNQWFCDVM 16
                                DWVCEYFKNOWFCDTL 16
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No. US20030203415A1
                                                                 Conservative
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                                                                                81.0%;
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75.0%;
                                                                Score 85; DB 11;
Pred. No. 2.6e-05;
1; Mismatches
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Pred. No. 2.6e-05;
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US-09-825-517A-131

RESULT 11

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US-09-825-517A-150
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Best Local Similarity
Thes 12; Conserva
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US-09-825-517A-150
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                                                                                                                  RESULT 13
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 131
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                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 150
LENGTH: 16
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GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
                                                         Sequence 38, Ap
Publication No.
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APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT PEPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
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APPLICANT: Ladner, Robert
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                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT ORGANISM: Artificial Sequence
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                                                                           Application US/09825517A
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75.0%;
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Pred. No. 2.6e-05;
1; Mismatches 3
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Pred. No. 2.6e-05;
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, OTHER INFORMATION: CEA binding polypeptide US-09-825-517A-38
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US-09-825-517A-47
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825.517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 47
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Best Local :
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CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
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              APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT FILING DATE: 2003-03-24
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Artificial Sequence
PRIOR FILING DATE:
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Pred. No. 3.5e-05;
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Pred. No. 3.5e-05
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*

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5: /cgn2_6/ptodata/2/iaa/backfilesl.pep:*
              US-08-414-926A-5
US-08-926-922-5
US-09-253-682-5
US-09-527-657-5
US-09-892-100-5
US-09-892-100-5
US-09-893-10-14
US-08-459-310-17
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US-08-431-33-4
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US-08-991-862-17
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US-09-913-156-17
PCT-US91-02321-4
US-09-055-991A-21336
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                                                                                                                                                                                                                                    Sequence 90, Application US/08484635 Patent No. 5773569
                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 5347
LENGTH: 714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No. 6562958
GENERAL INFORMATION:
                                                                                                      APPLICANT: Wrighton, Nicholas C.
APPLICANT: Dower, William J.
APPLICANT: Chang, Ray S.
APPLICANT: Kashyap, Arun K.
APPLICANT: Jolliffe, Linda K.
APPLICANT: Johnson, Dana
APPLICANT: Mulcahy, Linda
APPLICANT: Mulcahy, Linda
TITLE OF INVENTION: Compounds and Per
TITLE OF INVENTION: Erythropoietin Re
                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: GAZY L. Breton et al. TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TITLE OF INVENTION: BAUWANNII FOR DIAGNOSTICS AND THERAPEUTICS FILE REFERENCE: GTC99-03PA
                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 714
TYPE: PRT
ORGANISM: Acinetobacter baumannii
 ZIP: 9
                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend a
STREET: One Market Plaza, Steuart
CITY: San Francisco
STATE: California
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          COUNTRY: USA
ZIP: 94105-1492
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READABLE FORM
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US-09-546-043-7
US-09-514-885-1
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US-09-514-885-1
US-09-514-885-1
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US-09-328-352-5347 US-08-484-635-90 US-08-484-631-90 US-08-827-570-90 US-09-872-861-4 US-09-872-861-4

Query

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604
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US-09-252-991A-24065 5177197-50

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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389414 seqs, 51625971 residues

Scoring table: Sequence: Perfect score: Title

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1 DWVCEYVKSQWSCNPL 16 US-09-825-517A-113 101

MEDIUM TYPE:

Floppy disk

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; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-484-635-90
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Best Local Similarity
Matches 5; Conserva
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REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 1652
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEPHAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 90:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 9
Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08/484,635
FILING DATE: 07-UM-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,940
FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Mulcahy, Linda
TITLE OF INVENTION: Compounds and Peptides That Bind to the
TITLE OF INVENTION: Erythropoietin Receptor
NUMBER OF SEQUENCES: 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                       CLASSIFICATION: 514
PRIOR APPLICATION NUMBER: US 08/155,940
APPLICATION NUMBER: US 08/155,940
                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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                                  FILING DATE: 19-NOV-1993 ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                    STREET: One Market I
                                                                                                                            APPLICATION NUMBER: FILING DATE: 07-JU
                                                                                                                                                                                                                                                                                              COUNTRY:
REGISTRATION NUMBER: 37,330
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                                                                                                                              07-JUN-1995
                                                       19-NOV-1993
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                                                                                                                                                    US/08/484,631
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                     Eugenia
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Patent No. 5986047
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ve:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/827,570
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (415) 543-5043 INFORMATION FOR SEQ ID NO:
                                                                               TELEFAX: (415) 543-504
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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APPLICANT:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
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ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Tower
                                                                                                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 543-9600
                                                                                                                                                                                                                          APPLICATION NUMBER: US 08/155,940
FILING DATE: 19-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: ACCUPANT OF THE PROPERTY OF T
                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/484,635
FILING DATE: 07-UNI-1995
APPLICATION NUMBER: US 08/155,940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Compounds and Peptides That Bind to the
 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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                                                                                                                                                                                 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                NAME: Garrett-Wackowski, Eugenia REGISTRATION NUMBER: 37,330
                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
                  TOPOLOGY:
                                   STRANDEDNESS:
                                                                     ENGTH:
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Jolliffe, Linda K
Johnson, Dana
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Dower, William J.
Chang, Ray S.
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RESULT 7
US-09-252-991A-24065
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US-09-872-861-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Bacillus stearothermophilus US-09-586-935-3
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CURRENT APPLICATION NUMBER: US/09/872,861
CURRENT FILING DATE: 2001-06-01
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4
LENGTH: 604
                                                                                                       Matches
                                                                                                                  Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                     Sequence 4, Application US/09872861
Patent No. 6395523
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Best Local S
Matches 5
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SEQ ID NO 3
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APPLICANT: KONG, H
APPLICANT: HIGGINS
                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Engineering Nicking Endonucleases From TITLE OF INVENTION: Restriction Endonucleases
                                                                                                                                                                                                                                                                                                              APPLICANT: Kong, Huimin
APPLICANT: Xu, Yan
APPLICANT: Bresnier, Caroline
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Patent No. 6191267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: NBB-178
CURRENT APPLICATION NUMBER: US/09/586,935
CURRENT FILING DATE: 2000-06-02
NUMBER OF SEQ ID NOS: 27
NUMBER OF SEQ ID NOS: 27
                                                                                                                                                                 TYPE: PRT
ORGANISM: Bacillus stearothermophilus
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TYPE: PRT
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                                                                                                    Similarity 7; Conserv
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                                                   EYPEEEWSINPL
                                                                          EYVKSQWSCNPL 16
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DALTON, MICHAEL
KUCERA, REBECCA B.
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58.3%;
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Pred. No.
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Pred. No.
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67;
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67;
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RESULT 9
US-08-414-926A-5
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5177197-50
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TITLE OF INVENTION: ISOLATED NUCLEOTIDE SEQUENCE EXPRESSING; HUMAN TRANSFORMING GROWTH FACTOR-BETA1-BINDING PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          뮹
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SEQ ID NO:50:
COUNTRY: USA
COUNTRY: USA
ZIP; 94306-2155
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: IBM PC compatible
                                                                                                                                                                                                                                                                                                     Patent No.
                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Spacte, Richard
APPLICANT: Cha, Tai-An
TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                       Sequence 5, Application US/08414926A Patent No. 5721354
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Matches 6; Conserv
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LENGTH: 361
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 53
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/487,343
                                                                                                                      STREET: 5 Palo :
CITY: Palo Alto
STATE: CA
                                                                                                                                                  ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
STREET: 5 Palo Alto Square
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Pred. No.
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Pred. No. 56;
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, KOHEI; CLAESSON-WELSH,
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Query Match
Best Local Similarity
Warches 6; Conserve
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                                                            ; TOPOLOGY: linear ; MOLECULE TYPE: protein US-08-926-922-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 415-857-0663
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
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NAME: CSerr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AVIR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-494-7622
Matches
             Query Match
Best Local Similarity
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                                                                                                                          TELEFAX: 510-839-7810
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acid
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                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 2. CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Spaete, Richard APPLICANT: Cha, Tai-An
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                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: CSETY, LUARI
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
                                                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: 510-834-1448
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                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/926,922 FILING DATE: September 10, 1997 CLASSIFICATION: 536
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Oakland
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ATTREET: 750 Arimo Avenue
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n Release #1.0, Version #1.25
                41.6%;
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    Mismatches

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Pred. No.
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 1; Mismatches
                Score 42; DB
Pred. No. 88;
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RESULT 11
US-09-253-682-5
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US-09-527-657-5
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                                                                                                                            Sequence 5, Application US/09527657
Patent No. 6291236
GENERAL INFORMATION:
GENERAL INFORMATION:
Cha, Tal-An
Cha, Tal-An
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Spaete, Richard
APPLICANT: Cha, Tai-An
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Best Local
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS NUMBER OF SEQUENCES: 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: CBerr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-834-1448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/926,922
FILING DATE: September 10, 1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: 15
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                                                                                     Cha, Tai-An
TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
NUMBER OF SEQUENCES: 27
                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Luann Cserr Attorney at Law
STREET: 750 Arimo Avenue
CITY: Oakland
                                                                                                                                                                                                                                                                                      307 WVCEEPKHEW 316
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750 Arimo Avenue
COUNTRY: USA
                 STATE: CA
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Pred. No. 88;
1; Mismatches 3; Indels
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RESULT 13
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INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                          APPLICATION NUMBER: US/09/527,657
FILING DATE: 17-Mar-2000
APPLICATION NUMBER: US/08/926,926
FILING DATE: September 10, 1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AVIR 11A
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                PRIOR
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS NUMBER OF SEQUENCES: 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: protein sequence DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Spaete, Richard
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REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AVIR 11A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-834-1448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/926,922
FILING DATE: September 10, 1997
ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER: US/09/527,657
FILING DATE: 17-Mar-2000
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           307 WYCEEPKHEW 316
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                                                                                                                                                                      APPLICATION NUMBER: US/09/892,100
FILING DATE: 26-Jun-2001
CLASSIFICATION: JUNknown>
                                                   NAME: Cserr,
                                                                                                                                                                                                                                                                                                                                                                                    STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 750 Arimo Avenue CITY: Oakland
                                                                                                                                                            APPLICATION DATA:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
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1; Mismatches
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Pred. No. 88;
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                                                                                                                                                                                                                                                                                        Sequence 14, Application US/08459310 Patent No. 5645817
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 26267
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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APPLICANT: MARC J.
APPLICANT: MARC J.
TITLE OF INVENTION:
TITLE OF INVENTION:
FILE REFERENCE: 1071
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                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Seeman
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TYPE: PRT
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/252,991A CURRENT FILING DATE: 1999-02-18
              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                          APPLICANT: Seemann, Gerhard
APPLICANT: Bosslet, Klaus
TITLE OF INVENTION: Granuloc
TITLE OF INVENTION: Their PI
NUMBER OF SEQUENCES: 17
                                                                                                                                                                         CORRESPONDENCE ADDRESS:
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INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                 COUNTRY: U
ZIP: 20005
                                                                                                 CITY: Washington STATE: D.C.
    OPERATING SYSTEM:
                                                                                                                                STREET:
                                                                                                                                             ADDRESSEE:
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1300 I Street, N.W.
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TYPE: amino acid
                                                                               USA
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ON: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
ON: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
compatible
PC-DOS/MS-DOS
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29.2%;
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Their Preparation and Use
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Pred. No. 76;
5; Mismatches
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Pred. No.
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SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,310

FILING DATE:
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/100,963

APPLICATION DATA:
APPLICATION
APPLICAT
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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    Score
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     Query
Match Length
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2: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*
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105
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US-09-671-325-336
US-09-589-184-336
US-09-589-184-336
US-09-589-184-326
US-09-723-251A-27
US-08-414-926A-5
US-09-253-682-5
US-09-253-682-5
US-09-137-223A-2
US-09-137-223A-2
US-09-137-223A-2
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US-09-138-152-6740
US-09-138-109A-35
US-09-148-148-32
US-08-469-260A-82
US-08-469-260A-82
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US-08-469-241-1
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US-09-614-124B-336
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US-09-299-689A-8
US-09-702-705-336
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(without alignments)
67.706 Million cell updates/sec
                  Sequence 8, Appli
Sequence 336, App
Sequence 27, Appli
Sequence 5, Appli
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-828-488-8
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Result

| 45                 | 44               | 4. U                | 4 2              | 41                 | 40                  | 9                 | 8                 | 1                   | ι<br>1 σ        | , (J            | 1 44            | W               | 32               | 31                  | 30              |                    | 28                |
|--------------------|------------------|---------------------|------------------|--------------------|---------------------|-------------------|-------------------|---------------------|-----------------|-----------------|-----------------|-----------------|------------------|---------------------|-----------------|--------------------|-------------------|
| 38                 | - G              | 85                  |                  | ι ω<br>00          | 38.5                | 38.5              | 38.5              | 68.5                | 39              | 39              | 9               | 39              | 39               | 39                  | 39              | 39.5               | 39.5              |
| 36.2               | 36.2             | ٠                   | 36.2             | 36.2               | 36.7                | 36.7              | 36.7              | 36.7                | 37.1            |                 | 37.1            | 37.1            | 37.1             | 37.1                | 37.1            | 37.6               | 37.6              |
| 413                | 351              | 205                 | 131              | 62                 | 601                 | 245               | 236               | 223                 | 3898            | 3898            | 3898            | 582             | 496              | 423                 | D<br>D          | 286                | 190               |
| 4                  | ω                | 4                   | w                | 4                  | 4                   | 4                 | 4                 | 4                   | ω               | N               | N               | W               | μ                | 4.                  | 1               | 4                  | w                 |
| US-09-328-352-7815 | US-09-067-782A-2 | US-09-107-532A-5462 | US-09-067-782A-4 | US-08-936-165A-428 | US-09-489-039A-8499 | US-09-325-932A-89 | US-09-598-401C-72 | US-09-134-000C-6010 | US-08-750-717-2 | US-09-059-853-2 | US-08-876-991-2 | US-08-194-560-2 | US-08-328-256-12 | US-09-489-039A-7898 | US-08-328-256-9 | US-09-328-352-5022 | US-09-128-395-1   |
|                    |                  | 546                 | 4.               |                    |                     | 9                 |                   | 60,                 | Ν.              | ∾.              |                 | 2               |                  | Sequence 7898. An   |                 | 2 1                | Sequence 1. Appli |

Sequence:

## ALIGNMENTS

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Query Match
                                                                                                                                                 TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
                                                                                                                                                                                                                FILING DATE:
ATTORNEY AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION UNMBER: 26,749
REFERENCE/DOCKET NUMBER: 2F-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
                                                    IMMEDIATE SOURCE:
LIBRARY: GenBa
CLONE: 190283
                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IDM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/8: FILING DATE: Filed Herewith PRIOR APPLICATION DATA: APPLICATION NUMBER:
                                                                                                     STRANDEDNESS:
TOPOLOGY: li
                                                                                                                                   LENGTH: 480 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Incyte Pharmaceuticals, Inc. STREET: 3174 Porter Drive CITY: Palo Alto
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                                                                    GenBank
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   42.9%;
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   Score 45;
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   DВ
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Length 480;
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US-09-299-689A-8
            ; Sequence 336, Application US/09702705; Patent No. 6504010; GENERAL INFORMATION: APPLICANT: Wang, Tongtong
                                                                        US-09-702-705-336
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                                                                                                                                                                                                                                                      US-09-299-689A-8
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Matches
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                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Wang, Tongtong APPLICANT: Bangur, Chaitanya S.
                                                                                                                                                                                                                                                                                                                                                                                     TELEPAX: 415-845-4166 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                    TOPOLOGY: lines
IMMEDIATE SOURCE:
LIBRARY: GenBar
CLONE: 190283
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COMPUTER: IBM COMPUTED:
COPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
CURRENT APPLICATION NUMBER: US/09/299,689A
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MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: NOVEL HUMAN SERINE
TITLE OF INVENTION: CARBOXYPEPTIDASE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION: TELEPHONE: 415-855-0555
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
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STREET: 3174 Porter Drive
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Billings, Lucy J. REGISTRATION NUMBER: 36 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
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                                                                                                                                                                                          Y Match 42.9%;
Local Similarity 37.5%;
hes 6; Conservative 4
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Hawkins, Phillip R.
Hillman, Jennifer L.
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Goli, Surya
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Pred. No.
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SEQ ID NO 336
LENGTH: 480
      Sequence 336, Application US/09614124B
Patent No. 6630574
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Bangur, Chaitanya S.
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                                                                              RESULT 5
US-09-614-124B-336
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Best Local Similarity 37.5%;
Matches 6; Conservative
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APPLICANT:
APPLICANT:
APPLICANT:
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CURRENT FILING DATE: 2000-10-30
NUMBER OF SEO ID NOS: 1833
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APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478014
                                                                                                                                                                                                   Best Local Similarity Matches 6; Conserv
                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: COMPOSITIONS AND METHODS TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.478015 CURRENT APPLICATION NUMBER: US/09/736,457 CURRENT FILLING DATE: 2000-12-13 NUMBER OF SEQ ID NOS: 1864 Version 3.0 SOFTWARE: FastSEQ for Windows Version 3.0
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                                                                                                                                                                                                                                                                          LENGTH: 480
TYPE: PRT
ORGANISM: Homo sapiens
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Mannion, Jane
Fan, Liqun
Wang, Aijun
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Vedvick, Tom
Carter, Darrick
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Lodes, Michael A.
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Pred. No.
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                                                                                                                 RESULT 7
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US-09-671-325-336
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                                                               Sequence 336, Application US/09589184
Patent No. 6686447
                                                     GENERAL INFORMATION:
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Best Local Similarity
Matches 6; Conserv
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CURRENT APPLICATION NUMBER: US/09/671,325
CURRENT FILING DATE: 2000-09-26
NUMBER OF SEQ ID NOS: 1825
SOFTWARE: FASTSEQ for Windows Version 3.6
SEQ ID NO 336
LENGTH: 480
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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Patent INFORMATION:
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SEQ ID NO 336
LENGTH: 480
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478C12
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Best Local
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Lodes, Michael A.
Fanger, Gary
Vedvick, Tom
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      Bangur, Chaitanya
Lodes, Michael A.
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Retter, Marc
Mannion, Jane
                                       Wang, Tongtong
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Retter, Marc
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Fanger, Gary
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Pred. No. 60;
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RESULT 9 US-09-723-251A-27

Sequence 27, Application US/09723251A Patent No. 6608028 GENERAL INFORMATION:

APPLICANT: Chen, Yvonne May-Yee APPLICANT: Clark, Ross G. APPLICANT: Cochran, Andrea G.

Cochran, Andrea G. Lowman, Henry B.

APPLICANT:

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                                                                                                                                       ; OTHER INFORMATION: Sequence is synthesized ; Patent No. 6420518 US-09-337-227C-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Chen, Yvox
APPLICANT: Clark, Rt.
APPLICANT: Cochran,
APPLICANT: Lowman,
APPLICANT: Lowman,
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APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478CB
CURRENT APPLICATION NUMBER: US/09/589,184
CURRENT FILING DATE: 2000-06-05
NUMBER OF SEQ ID NOS: 827
SOFTWARR: Past SEO for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-589-184-336
                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 51
SEQ ID NO 27
LENGTH: 21
                                                                                   Query Match
Best Local Similarity
                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 27, Application US/09337227C Patent No. 6420518
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Matches 6; Conservative
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APPLICANT: Lowman, Henry B.
APPLICANT: Robinson, Iain C.A.F.
APPLICANT: Skelton, Nicholas J.
TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR AGONIST MOLECULES
EILE REFERENCE: P1071P2.rev
                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 09/052,888
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: US 08/825,852
PRIOR FILING DATE: 1997-04-04
                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/337,227C CURRENT FILING DATE: 1999-06-22
                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                       ORGANISM: Artificial sequence
                                                                                                                                                                                                                            TYPE: PRT
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TYPE: PRT
ORGANISM: Homo sapiens
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3 WVCRAGPLOWLCE 15
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                                WVCEYFKNOWFCD 14
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                                                                   Conservative
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                                                                                 46.2%;
                                                                                Score 42; DB
Pred. No. 6.8;
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Pred. No.
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                                                                                              DB 4; Length 21;
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; OTHER INFORMATION: Sequence is synthesized ; Parent No. 6608028 US-09-723-251A-27
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Best Local Similarity
...thes 6; Conser
Query Match
Best Local Similarity
Thes 6; Conserve
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PRIOR FILING DATE: 1997-04-04
NUMBER OF SEQ ID NOS: 51
SEQ ID NO 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 5, Application US/08414926A Patent No. 5721354
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APPLICANT: Skelton, Nicholas J.
APPLICANT: Skelton, Nicholas J.
TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR AGONIST MOLECULES
FILE REFERENCE: P1071P2C1.2Rev
CURRENT APPLICATION NUMBER: US/09/723,251A
CURRENT FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: US 09/337,227
PRIOR FILING DATE: 1999-06-22
PRIOR FILING DATE: 1999-06-22
PRIOR FILING DATE: 1999-06-22
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                                                                                             MOLECULE TYPE: protein -08-414-926A-5
                                                                                                                                                                      INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-494-7622
TELEFAX: 415-857-0663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Spaete, Richard
APPLICANT: Cha, Tai-An
TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
NUMBER OF SEQUENCES: 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/4
FILING DATE: March 31, 1995
CLASSIFICATION: 435
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CITY: Palo Alto
                                                                                                                                                                                                                                                                                           NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AV
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STREET: 5 Palo Alto Square
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                  Conservative
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46.2%;
                                    40.0%;
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Pred. No. 6.8;
                                    Score 42; DB 1;
Pred. No. 1.4e+02;
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                    Mismatches
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                                                            Length 399;
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RESULT 11
US-08-926-922-5
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US-09-253-682-5
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patent No. 6040170
GENERAL INFORMATION:
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Best Local Similarity 60.0%;
Matches 6; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acid
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/926,922
FILING DATE: September 10, 1997
CLASSIFICATION: 536
CLASSIFICATION: 536
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APPLICANT: Cha, Tai-An
TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REGISTRATION NUMBER: AV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-834-1448
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                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Spaete, Richard APPLICANT: Cha, Tai-An
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                               ZIP:
                                                                                                                                                                                         STATE:
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USA
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                                                                                                                                                                                                                                                                                                 Luann Cserr Attorney at Law
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Pred. No. 1.4e+02;
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RESULT 13
US-09-527-657-5
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Best Local :
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                                    TELEFAX: 510-839-7810
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                              COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA Release #1.0, Version #1.

CURRENT APPLICATION DATA:
APPLICATION UMMBER: US/09/527,657
FILING DATE: 17-Mar-2000
CLASSIFICATION : «Unknown»
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UMMBER: US/08/926,922
FILING DATE: September 10, 1997
APTORNEY/AGENT INFORMATION:
NAME: CSETT, Luann
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REFERENCE/DOCKET NUMBER: AV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-834-1448
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FILING DATE: September 10, 1997
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: ami
TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE: Septem
                                                                                    NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AVIR 11A
TELEPHORE: 510-834-1448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM: SOFTWARE: Patenti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/09/253,682
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Luann Cserr Attorney at Law
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS NUMBER OF SEQUENCES: 27\,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Spaete, Richard
Cha, Tai-An
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               307 WVCEEPKHEW 316
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LENGTH: 399 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: CA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : 399 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 94610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Oakland
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 750 Arimo Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Application US/09527657
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Pred. No. 1.4e+02;
"'-matches 2;
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RESULT 15
US-09-137-223A-2
; Sequence 2, Application US/09137223A
; Patent No. 6420525
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US-09-892-100-5
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GENERAL INFORMATION:
                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5, Application US/09892100 Patent No. 6635477 GENERAL INFORMATION:
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Best Local :
                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 5: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
les 6; Conserv
                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: protein SEQUENCE DESCRIPTION: SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/527,657
FILING DATE: 17-Mar-2000
APPLICATION UNMBER: US/08/926,922
FILING DATE: September 10, 1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/892,100
FILING DATE: 26-Jun-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: AVIR 11A
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cha, Tai-An
TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
NUMBER OF SEQUENCES: 27
                                                                                                                  307 WVCEEPKHEW 316
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Spaete, Richard
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                                                                                                                                                   2 WYCEYFKNOW 11
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                                                                                                                                                                                                                                                                                                                       LENGTH: 399 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: 510-834-1448
TELEFAX: 510-839-7810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Cserr, Luann
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CITY: Oakland
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                                                                                                                                                                                     Conservative
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Pred. No. 1.4e+02;
2; Mismatches 2;
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Pred. No. 1.4e+02;
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                                                                                                                                                                                                                 Length 399;
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APPLICANT: Yee, David P
APPLICANT: Deisher, Theresa A
TITLE OF INVENTION: TESTIS-SPECIFIC TRANSCRIPTION FACTOR
TITLE OF INVENTION: ZGCL-1
TITLE OF INVENTION: ZGCL-1
TITLE OF INVENTION: ZGCL-1
TITLE OF INVENTION: MUMBER: US/09/137,223A
CURRENT APPLICATION NUMBER: US/09/137,223A
CURRENT APPLICATION NUMBER: 06/056,130
PRIOR APPLICATION NUMBER: 06/056,130
PRIOR APPLICATION NUMBER: 06/056,130
PRIOR FILING DATE: 1997-08-19
NUMBER OF SEQ ID NOS: 16
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 2
ILBURGH: 478
TYPE: PRT
ORGANISM: homo sapiens
US-09-137-223A-2
Query Match
Best Local Similarity 41.7%; Pred. No. 1.6e+02;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps
O;
Matches 5; Conservative 3; Mismatches 4; Indels
O; Gaps
O;
Db 322 EWLSSVYKQOWF 33
Search completed: September 8, 2004, 12:58:29
Job time: 13.2 secs
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Result
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Database :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Run on:
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                score greater
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                                                                                                                                                                                                                                                                                                           and is derived by
                                                                                                                                                                                                                                         Score
                protein search, using sw model
                        100.0
100.0
90.3
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88.3
                                                                                                                                                                                                                                      Match Length
                                                                                                                                                                                                                                                                                                  is the number of results predicted by chance to have a ter than or equal to the score of the result being printed, rived by analysis of the total score distribution.
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113.793 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                       / Cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
/ Cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
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Copyright (c) 1993 - 2004 Compugen
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             6/ptodata/1/pubpaa/US08 NEW PUB.pep:*
6/ptodata/1/pubpaa/US08 PUBCOMB.pep:*
6/ptodata/1/pubpaa/US09A PUBCOMB.pep:*
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       US-09-825-517A-71
US-09-825-517A-50
US-09-825-517A-61
US-09-825-517A-119
US-09-825-517A-119
US-09-825-517A-129
US-09-825-517A-39
US-09-825-517A-31
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US-09-825-517A-31
US-09-825-517A-31
US-09-825-517A-31
US-09-825-517A-31
US-09-825-517A-35
US-09-825-517A-45
US-09-825-517A-45
US-09-825-517A-45
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Sequence 71, Appl
Sequence 108, Appl
Sequence 50, Appl
Sequence 61, Appl
Sequence 119, App
Sequence 128, Appl
Sequence 128, Appl
Sequence 34, Appl
Sequence 34, Appl
Sequence 73, Appl
Sequence 99, Appl
Sequence 45, Appl
Sequence 45, Appl
Sequence 47, Appl
Sequence 47, Appl
Sequence 47, Appl
Sequence 47, Appl
Sequence 53, Appl
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US-09-825-517A-71

| 44<br>U      | . 44            | 4.3            | 42         | 41             | 40                                      | , (J.)          | (L)           | 37              | 36              | ι<br>U          | 34             | L.             | 32                 | i Li        | 30             | 29            | 8.0            | 27             | ) K          | ) N          | 3 C<br>4 f  | 23             | 22             | 21             | 2 0         | ) <u> </u>    | , L           | • <u>-</u>     | 16                |
|--------------|-----------------|----------------|------------|----------------|---|-----------------|---------------|-----------------|-----------------|-----------------|----------------|----------------|--------------------|-------------|----------------|---------------|----------------|----------------|--------------|--------------|-------------|----------------|----------------|----------------|-------------|---------------|---------------|----------------|-------------------|
| 84           | 80              | 86             | 96         | 86             | 86                                      | 88              | 88            | 88              | 88              | 88              | 88             | 88             | 88                 | 88          | 88             | 88            | 88             | 88             | 8            | 0 00         | 88          | 88             | 88             | 88             | 00          | α             | o cc          | 8 9            | 89                |
|              |                 |                | 83.5       | .~             | .~                                      |                 |               |                 | 'n              |                 |                |                | .01                | .51         |                |               | 85.4           |                |              |              | 85.4        | 85.4           | 5              | 5              | 5           |               |               | 86.4           | ٠                 |
| 16           | 16              | 16             | 16         | 15<br>14<br>14 | 16                                      | 27              | 16            | 16              | 16              | 16              | 16             | 16             | 16                 | 16          | 16             | 16            | 16             | 16             | 16           | 16           | 16          | 16             | 16             | 16             | 16          | 16            | 16            | 16             | 16                |
| 11           | 11              | 11             | 11         | 11             | 11                                      | 11              | 11            | 11              | 11              | 11              | 11             | 11             | 11                 | 11          | 11             | 11            | 11             | 11             | 11           | 11           | 1           | 11             | 11             | 11             | 11          | 11            | 11            | 11             | 11                |
| 9-825-517A-6 | -09-825-517A-85 | -09-825-517A-1 | -09-825-51 | -09-825-517A-4 | -09-825-517A-3                          | -09-825-517A-24 | -09-825-517A- | -09-825-517A-12 | -09-825-517A-12 | -09-825-517A-12 | -09-825-517A-9 | -09-825-517A-9 | -09-825-517A-8     | -09-825-517 | -09-825-517A-7 | -09-825-517A- | -09-825-517A-7 | -09-825-517A-6 | 9-825-517A-6 | 9-825-517A-5 | -825-517A-5 | -09-825-517A-4 | -09-825-517A-4 | -09-825-517A-4 | 9-825-517A- | 9-825-517A-   | 9-825-517A-13 | -09-825-517A-1 | 25-517 <b>A</b> - |
| quence 69,   | D H             | TUPNCP 132     | equence 46 | 40,            | ייייייייייייייייייייייייייייייייייייייי | 24              | 145           | 0 1             | 777             | 100             | 0 0            | edirence es,   | , ה<br>ה<br>ה<br>ה | 0 (         | 70,            | 777           | 74,            | 7 4            | 5            | 58.          | equence 52. | eguence        | emience 43     | equence 41     | echience 38 | equence 4. Ar | nce 134       | equence 121.   |                   |

## ALIGNMENTS

RESULT 2
US-09-825-517A-108
; Sequence 108, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION: 뮍 S FEATURE:

OTHER INFORMATION: CEA binding polypeptide
US-09-825-517A-71 SOFTWARE: FastSEQ for Windows Version SEQ ID NO 71 LENGTH: 16 TYPE: PRT Sequence 71, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION: Matches Query Match APPLICANT: RONGON, ISSAC J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
NUMBER OF SEQ ID NOS: 151 ORGANISM: Artificial Sequence Local Similarity ш DWICNLFKNOWFCNEA 16 DWICNLFKNOWFCNEA Conservative 100.0%; Score 103; DB 11; 100.0%; Pred. No. 8.6e-08; tive 0; Mismatches 0; 16 Indels Length 16; 0; Gaps

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APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
ITITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 9/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTMARE: PastSEQ for Windows Version 4.0
SEQ ID NO 108
LENGTH: 16
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US-09-825-517A-50
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Publication No. US20030203415A1
GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
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Best Local Similarity
Matches 13; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 50
                                                                                                                                           Sequence 61, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Rondon, Issac
APPLICANT: Ladner, Rober
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: CEA binding polypeptide -09-825-517A-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
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                                                APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: CEA binding polypeptide
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               TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
                                                                                                      APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT ORGANISM: Artificial Sequence
CURRENT FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 16
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  2003-03-24
                                                                                                                                                                                                                                                                                                                                                                                                           90.3%;
92.9%;
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Pred. No. 2.2e-06;
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                                                                                                                                                                                              Sequence 128, Application US/09825517A
Publication No. US20030203415A1
GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 119
LENGTH: 16
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PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: Factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DXX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
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PRIOR FILING DATE: 2000-04-03
                                                               APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
TILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
                   SEQ ID NO 128
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                                    NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Synthetic 16-mer microprotein analogue
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
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ENGTH: 16
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13; Conserva
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1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 11;
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; OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-128

ORGANISM: Artificial Sequence FEATURE:

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; OTHER INFORMATION: CEA binding polypeptide US-09-825-517A-48
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US-09-825-517A-48
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 Best Local Similarity
                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 48
LENGTH: 16
                      Query Match
                                                                                                                                                                                                                                                                                                                                                          Sequence 48, Application US/09825517A Publication No. US20030203415A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 39
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APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
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Best Local (
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                                                                                      ORGANISM: Artificial Sequence FEATURE:
                                                                                                                        TYPE: PRT
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APPLICANT: Ladner, Robert
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 88.3%;
87.5%;
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86.7%; Pred. No.
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Score 91; DB 11;
Pred. No. 4.1e-06;
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Pred. No. 2.
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es 0;
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            Length 16;
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US-09-825-517A-73
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US-09-825-517A-131
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US-09-825-517A-131
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                                                                Query Match
Best Local Similarity
Matches 12; Conserv
                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/10/825/517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 73
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 73, Application US/09825517A
Publication No. US20030203415A1
GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 131
LENGTH: 16
TYPE: PRT
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Best Local,
                                                                                                                                                                                                                                                                                                                                         APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
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                                                                                                                                         OTHER INFORMATION: CEA binding polypeptide
                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
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APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                 LENGTH: 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 DWICNLEKNOWECNE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14;
DWVCNLFKNQWFCDQ 15
                             DWICNLFKNOWFCNE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DWICNLFKNOWFCDQ 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DWICNLFKNOWFCDMA 16
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                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Application US/09825517A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.3%;
86.7%;
                                                                            87.4%;
                                                         Score 90; DB 11; Pred. No. 5.7e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <u>٠</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 91;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4.1e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0;
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                                                                                          Length 16;
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                                                            Indels
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Sequence 89, Application US/09825517A

Publication No. US20030203415A1

GENERAL INFORMATION:
APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
FILE REFERENCE: DYX-016.1 (3421.1005-001)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-825-517A-89
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              US-09-825-517A-45
; Sequence 45, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
; APPLICANT: Rondon, Issac J
                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Synthetic 16-mer microprotein analogue US-09-825-517A-136
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                                                                                                                   RESULT 13
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SEQ ID NO 136
LENGTH: 16
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                                                                                                                                                                                                                                                                                  Best Local
                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Rondon, Issac J
APPLICANT: Ladner, Robert C
RITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
NUMBER OF SEQ ID NOS: 151
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TYPE: PRT
ORGANISM: Artificial Sequence
APPLICANT:
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13; Conservative
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12; Conserv
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                                                                                                                                                                             DWVCNLFKNQWFCDQ 15
Ladner, Robert C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Application US/09825517A
o. US20030203415A1
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80.0%;
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86.7%;
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Pred. No. 5.7e-06;
                                                                                                                                                                                                                                                               Score 90; DB 11;
Pred. No. 5.7e-06;
3; Mismatches 0
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; OTHER INFORMATION: CEA binding polypeptide
US-09-825-517A-45
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TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 47
                                                                                                                                                                                         Sequence 53, Application US/09825517A publication No. US20030203415A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                               US-09-825-517A-53
                                                                                                                                                                                                                                                                                  RESULT 15
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Best Local
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CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC TITLE OF INVENTION: ANTIGEN (CEA)
                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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APPLICANT: Ladner, Robert
APPLICANT: RONDON, ISSAC J
APPLICANT: Ladner, Robert C
TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
TITLE OF INVENTION: ANTIGEN (CEA)
FILE REFERENCE: DYX-016.1 (3421.1005-001)
CURRENT APPLICATION NUMBER: US/09/825,517A
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US 09/541,345
PRIOR FILING DATE: 2000-04-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
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13; Conserv
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92.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      86.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Mismatches
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Pred. No. 7.9e-06;
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB
BG
                                             seq length: 0
seq length: 2000000000
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                            1: /cgm2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgm2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgm2_6/ptodata/2/iaa/6A_COMB.pep:*
4: /cgm2_6/ptodata/2/iaa/6C_COMB.pep:*
5: /cgm2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgm2_6/ptodata/2/iaa/backfiles1.pep:*
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103
1 DWICNLFKNQWFCNEA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Issued_Patents_AA:*
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Copyright (c) 1993 - 2004 Compugen Ltd
         DB
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US-08-671-978A-7

US-08-265-967C-3

US-08-265-967C-3

US-08-305-7908-4

US-09-131-028A-13

US-09-131-028A-13

US-09-131-028A-13

US-09-131-028A-13

US-09-131-028A-1966

US-09-723-251A-27

US-09-723-251A-27

US-09-723-251A-27

US-09-320-303C-4

US-09-320-308-10753

US-09-489-039A-10753

US-09-443-1184-56

US-09-443-1184-56

US-09-443-1184-6

US-08-724-354D-4

US-08-724-354D-4

US-08-724-354D-2

US-09-270-984A-2

US-09-270-9
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US-09-252-991A-17516
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(without alignments)
67.706 Million cell updates/sec
                                             Sequence 10753, A
Sequence 4566, App
Sequence 56, Appli
Sequence 4, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 7, Appli
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                                                                                                                                                                                                              13, Appl
2, Appli
27, Appl
27, Appl
27, Appl
5966, Ap
4, Appl
7525, Ap
10753, A
                                                                                                                                                                                                                                                                                                                                                               2, Appli
17516, A
7, Appli
3, Appli
4, Appli
3, Appli
13, Appli
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|            | ţ                 | л                 | 44                | 43                 | 42                | 41                | 40                | 9               | 38              | 37              | 16        | ) L.      | 3.4               | ند) د<br>د اد     | (4)<br>(A)        | 31                | 30               | 29              | 28                |
|------------|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-----------------|-----------------|-----------------|-----------|-----------|-------------------|-------------------|-------------------|-------------------|------------------|-----------------|-------------------|
|            | Ú                 | J (               | e<br>P            | e<br>e             | 39                | 39                | 39                | 39              | 39              | 39              | 39        | 39        | 39                | 9                 | ω<br>e            | 39                | 39               | 39              | 39                |
|            | 37.9              | ) (               | 77 0              |                    | 37.9              | 37.9              | 37.9              | 37.9            | 37.9            | 37.9            |           |           |                   |                   | 37.9              |                   |                  |                 | 37.9              |
|            | 596               | 1 (               | л (<br>0 (        | 548                | 528               | 521               | 521               | 513             | 423             | 415             | 326       | 326       | 326               | 326               | 326               | 326               | 326              | 326             | 326               |
|            | 4                 |                   | ۰,                | 4                  | 4                 | 4                 | 4                 | W               | w               | ω               | თ         | σ         | w                 | w                 | W                 | w                 | ν                | H               | 1                 |
| ALIGNMENTS | US-09-086-663A-80 | US-US-086-663A-2  | TO OD ODG COST O  | 11S-09-386-6537-71 | US-09-086-663A-82 | US-09-086-663A-81 | US-09-086-663A-79 | US-09-100-193-3 | US-08-943-714-9 | US-09-100-193-2 | 5395759-2 | 5223424-2 | US-08-089-397A-14 | US-08-089-397A-13 | US-08-089-397A-12 | US-08-089-397A-11 | US-08-671-978A-6 | US-08-802-141-2 | US-07-603-133B-28 |
|            | 80                | Sequence 2, Appli | Sequence 71, Appl | 0                  | 9 0               | ٥ -               |                   | ,               | 0 !             | )<br>)          | 2 2       | л .       | 1 4               | Semience 13 appl  | - I               | 1 0<br>1 1        | Section 6 Parli  | ) (<br>) (      | ى<br>0            |

## CURRENT APPLICATION NUMBER: US/09/137,223A CURRENT FILING DATE: 1998-08-19 PRIOR APPLICATION NUMBER: 06/056,130 PRIOR FILING DATE: 1997-08-19 NUMBER OF SEQ ID NOS: 16 SOFTWARE: PastSEQ for Windows Version 3.0 SEQ ID NO 2 LENGTH: 478 TYPE: PRT ORGANISM: homo sapiens RESULT 2 US-09-252-991A-17516 APPLICANT: MAIC J. Rubenfield et al. TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS FILE REFERENCE: 107196.136 CURRENT ELICATION NUMBER: US/09/252,991A CURRENT FILING DATE: 1990-02-18 PRIOR APPLICATION NUMBER: US 60/074,788 PRIOR TILING DATE: 1996-02-18 PRIOR FILING DATE: 1998-07-27 NUMBER OF SEQ ID NOS: 33142 SEQ ID NO 17516 LENGTH: 612 TYPE: PRT US-09-137-223A-2 RESULT 1 US-09-137-223A-2 GENERAL INFORMATION: APPLICANT: Marc J. Sequence 17516, Application US/09252991A Patent No. 6551795 GENERAL INFORMATION: APPLICANT: Yee, David P APPLICANT: Deisher, Theresa A TITLE OF INVENTION: TESTIS-SPECIFIC TRANSCRIPTION FACTOR TITLE OF INVENTION: ZGCL-1 FILE REFERENCE: 97-18 Matches Query Match Sequence 2, Application US/09137223A Patent No. 6420525 Sequence Local Similarity les 5; Conserv 322 EWLSSVYKQQWF 333 1 DWICNLFKNOWF 12 Conservative 44.78; 41.78; Score 46; Pred. No. Mismatches 53 DB 4; 2 Length 478 ٥, Gaps

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; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17516
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Best Local Similarity 87.5%;
Matches 7; Conservative
                                                                                                         US-08-265-967C-3
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                                                                                                                        RESULT 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Parwani, Anil
APPLICANT: Kim, Wonyong
APPLICANT: Kim, Wonyong
APPLICANT: Chang, Keong-OK
TITLE OF INVENTION: ROTAVIRUS GENES
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS: 6
ADDRESSEE: CALFEE, HALTER & GRISWOLD
STREET: 800 SUPERIOR AVENUE, SUITE 140C
CITY: CLEVELAND
                                                       Sequence 3, Application US/08265967C Patent No. 6476200 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                Best Local Similarity Matches 6; Conserv
                                                                                                                                                                                                                                                               Query Match
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INFORMATION FOR SEQ ID NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/671,978A
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: GOLRICK, MARY E ,829 REGISTRATION NUMBER: 34,829 REFERENCE/DOCKET NUMBER: 22 TELECOMMUNICATION INFORMATION: TELEPHONE: (216) 622-8200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
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SABATINI, DAVID M.
ERDJUMENT-BROMAGE, HEDIYE
LUI, MARY
TEMPST, PAUL
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Pred. No.
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Pred. No. 69;
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US-08-305-790B-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEX: 197430 BBMB UT INFORMATION FOR SEQ ID NO: 3: SEQUENCE CHARACTERISTICS: LENGTH: 2474 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/
APPLICATION NUMBER: US/08/
FILING DATE: 27-UN-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: KAGAN, SARAH A.
REGISTRATION NUMBER: 32,14
                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: SNYDER, SOLOMON H.
TITLE OF INVENTION: MAMMALIAN PROTEINS THAT BIND TO FKBP12
TITLE OF INVENTION: IN A RAPAMYCIN-DEPENDENT FASHION
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 20001-459/
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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ORIGINAL SOURCE:
ORGANISM: Sac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                     TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: BANNER & ALLEGRETTI. LTD
STREET: 1001 G STREET, N.W., 11TH FLOOR
                                                                                                                                                                                                                                                                                            APPLICANT: TEMPST, PAUL APPLICANT: SNYDER, SOLOMON H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 1001 G S'
CITY: WASHINGTON
STATE: D.C.
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OPERATING SYSTEM: PC-DOS/MS-DOS
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Local Similarity 45.5%;
ss 5; Conservativa
                                                                                                                             COUNTRY: U.S.A.
                                                                                                                                                                      CITY: WASHINGTON
                                                                                                                                                   STATE: D.C
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amino acid
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1001 G STREET, N.W., 11TH FLOOR
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ERDJUMENT-BROMAGE, HEDIYE
LUI, MARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Saccharomyces cerevisiae
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                                                                                                                                                                                                                                                              MAMMALIAN PROTEINS THAT BIND TO FKBP12
IN A RAPAMYCIN-DEPENDENT FASHION
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Pred. No. 5.4e+02;
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RESULT 7
US-09-131-028A-13
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Best Local Similarity
Matches 6; Conserve
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    GENERAL INFORMATION:
APPLICANT: Abbott La
APPLICANT: Mukerji
                                               Sequence 13, Application US/09131028A
Patent No. 6287866
                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 22
SOFTWARE: FRSTSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 215
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local S
Matches 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3, Application US/09131028A Patent No. 6287866
                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 6004.US.P1
CURRENT APPLICATION NUMBER: US/09/131,028A
CURRENT FILING DATE: 198-08-07
PRIOR APPLICATION NUMBER: US 08/064,440
PRIOR FILING DATE: 1993-05-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Abbott Laboratories APPLICANT: Mukerji, Pradip
                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Chaudhary, Sunita
TITLE OF INVENTION: BETA-CASEIN EXPRESSING CONSTRUCTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 202-508-9299
TELEX: 197430 BBMB UT
INFORMATION FOR SEQ ID NO: 4.
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTOKNEL/....
NAME: KAGAN, SARAH ...
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 01107.47225
TELECOMMUNICATION INFORMATION:
TOTRPHONE: 202-508-9100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: KAGAN, SARAH A.
REGISTRATION NUMBER: 32,141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 0 FILING DATE: 27-JUN-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1223 NILKNAWYCSO 1233
                                                                                                                                      12 WFCGLRGNEFFC 23
                                                                                                                                                                   2 WICNLEKNOWEC 13
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Abbott Laboratories
Mukerji, Pradip
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)GY: linear
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Lemmel, Steven A.
Leonard, Amanda Eun-Yeong
                                                                                                                                                                                                   Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
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50.0%;
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                                                                                                                                                                                            Score 43; DB Pred. No. 63; 2; Mismatches
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Pred. No. 5.4e+02;
4; Mismatches 2;
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; MOLECULE TYPE: US-08-194-560-2
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US-08-194-560-2
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Best Local Similarity
Matches 6; Conserve
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                                                  Matches
                                                                Query Match
Best Local !
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13
LENGTH: 215
                                                                                                                                                                                TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/131,028A CURRENT FILING DATE: 1998-08-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 08/064,440
PRIOR FILING DATE: 1993-05-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Chaudhary, Sunita
TITLE OF INVENTION: BETA-CASEIN EXPRESSING CONSTRUCTS
FILE REFERENCE: 6004.US.P1
                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Trecartin, Richard F.
REGISTRATION NUMBER: 31,801
REFERENCE/DOCKET NUMBER: A-59515/RFT/RMS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                    SOFWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/194,560
FILING DATE: 14-FEB-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Campbell, Jud
APPLICANT: Budd, Martin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: NUMBER OF SEQUENCES:
                                               Local Similarity es 5; Conserv
                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                               TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: United States ZIP: 94111-4187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE:
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                                                                                                                                                                   LENGTH:
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1 DWICNLFKNOWF 12
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                                                                                                                                     amino acid
GY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         California
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                                                                                                                                                                  582 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: Flehr, Hohbach, Test, Albritton & Herbert 4 Embarcadero Center, Suite 3400
                                                                                                                                                                                                                             (415) 398-3249
                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Campbell, Judith L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                      Floppy disk
IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                     protein
                                                             40.8%;
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50.0%;
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                                                             Score 42;
Pred. No. 2
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Pred. No.
                                             Mismatches
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                                       ΔB .,
2.4e+02;
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                                                                     Length 582;
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DWLCKMSRNECF 333

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RESULT 9
US-09-337-227C-27
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US-09-723-251A-27
                                                                        ; FEATURE:
; OTHER INFORMATION: Sequence is synthesized
; Patent No. 6608028
US-09-723-251A-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Sequence is synthesized Patent No. 6420518
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 51
SEQ ID NO 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 27, Application US/09337227C Patent No. 6420518
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                                                                                                                                                                            NUMBER OF SEQ ID NOS: 51
SEQ ID NO 27
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: US 08/825,852
PRIOR FILING DATE: 1997-04-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/337,227C CURRENT FILING DATE: 1999-06-22 PRIOR APPLICATION NUMBER: US 09/052,888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Robinson, Iain C.A.F.
APPLICANT: Skelton, Nicholas J.
TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR AGONIST MOLECULES
FILE REFERENCE: P1071P2.rev
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Chen,
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   Matches
                                     Query Match
                                                                                                                                                                                                                                                                                                       APPLICANT: Cochran, Andrea G.
APPLICANT: Lowman, Henry B.
APPLICANT: Robinson, Iain C.A.F.
APPLICANT: Skelton, Nicholas J.
TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR AGONIST MOLECULES
FILE REFERENCE: P1071P2C1.2Rev
CURRENT APPLICATION NUMBER: US/09/723,251A
CURRENT FILING DATE: 2000-11-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Chen, Yvonne May-Yee APPLICANT: Clark, Ross G.
                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/337,227
PRIOR FILING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: US 08/825,852
PRIOR FILING DATE: 1997-04-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 21
TYPE: PRT
ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
                                                                                                                                               TYPE: PRT ORGANISM: Artificial sequence
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Local Similarity hes 5; Conserv
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   Conservative
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                      39.8%;
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       Score 41; DB (
Pred. No. 11;
2; Mismatches
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Pred. No.
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US-09-107-532A-5966
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                                                                                                                                                                                                             NAME/KEY: misc_feature;
LOCATION: (B) LOCATION 1...1049;
SEQUENCE DESCRIPTION: SEQ ID NO: 5966:
US-09-107-532A-5966
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US-09-530-903C-4
               RESULT 12
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GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm
APPLICANT: Lynn A DOUCETTC ACID
TITLE OF INVENTION: NUCLETC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 5966, Application US/09107532A Patent No. 6583275
                                                                                                                                   Query Match
Best Local Similarity
Thehes 6; Consert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: 5966:
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FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: JAY 2, 1997
FILING DATE: JAY 2, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: CD/RC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 7310
                                                                                                                                                                                                                                                                                                                                       HYPOTHETICAL: YE ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: (781)893-5007
                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS
                                                                          967 DDLIHVFSNEWFVSE 981
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 02354
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                                                                                                         DWICNLFKNOWFCNE 15
                                                                                                                                                                                                                                                                                                                       ORGANISM: Enterococcus faecium
                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 1049 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (781)893-8277
                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100 Beaver Street
                                                                                                                                                                    39.8%;
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                                                                                                                                                                    Score 41;
Pred. No. 6
                                                                                                                                                      Mismatches
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                                                                                                                                                                                            Length 1049;
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GENERAL INFORMATION:
APPLICANT: BIET, Franck
APPLICANT: CENATIEMPO,

Sequence 4, Application US/09530903C Patent No. 6528285

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US-09-489-039A-10753
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US-09-489-039A-10753
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                                                                 PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 10753
LENGTH: 170
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US-09-328-352-7525
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US-09-328-352-7525
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Best Local S
Matches 8
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                                                                                                                                                                                                                                                                                                               Sequence 10753, Application US/09489039A
Patent No. 6610836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: GATY L. Breton et al.
APPLICANT: GATY L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
TITLE OF INVENTION: BAYMANNII FOR DIAGNOSTICS AND THERAPBUTICS
FILE REFERENCE: GTC99-03PA
CURRENT FILIGATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 7525
                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                       FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
                                                                                                                                                                                        APPLICANT: Gary Breton et. al TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TITLE OF INVENTION: ENEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS FILE REFERENCE: 2709.2004001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7525, Application US/09328352
Patent No. 6562958
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LENGTH: 113
        ORGANISM: Klebsiella pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: FREMAUX, Christophe
TITLE OF INVENTION: NON RCR LEUCONOSTOC PLASMID CAPABLE OF BEING TRANSFERRED
TITLE OF INVENTION: INTO LACTIC ACID BACTERIA; USE AS CLONING AND EXPRESSING TOOL
FILE REFERENCE: 004990-178
CURRENT APPLICATION NUMBER: US/09/530,903C
CURRENT FILING DATE: 2002-07-02
PRIOR APPLICATION NUMBER: PCT/FR98/02341
PRIOR APPLICATION NUMBER: PCT/FR98/02341
PRIOR PILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: FR 97 13 977
                                                         LENGTH: 133
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TYPE: PRT
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SOFTWARE: PatentIn version 3.1
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                                           PRT
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8; Conserv
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Pred. No. 54;
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APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 032796-032
CURRENT APPLICATION NUMBER: US/09/134,000C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/055,778
PRIOR PILING DATE: 1997-08-15
NUMBER: OF SEQ ID NOS: 6812
SOFTWARE: PRICHING DATE: 1997-08-15
LENGTH: 251
TYPE: PRI
ORGANISM: Enterococcus faecalis
Search completed: September Job time: 13.2 secs
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US-09-134-000C-4566
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GENERAL INFORMATION:
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Pred. No. 1.9e+02;
1; Mismatches 2
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Pred. No. 1e+02;
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